

Manufacturers Record

Exponent of America



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The Prohibition Report of the Misnamed Federal Council of the Churches of Christ in America.

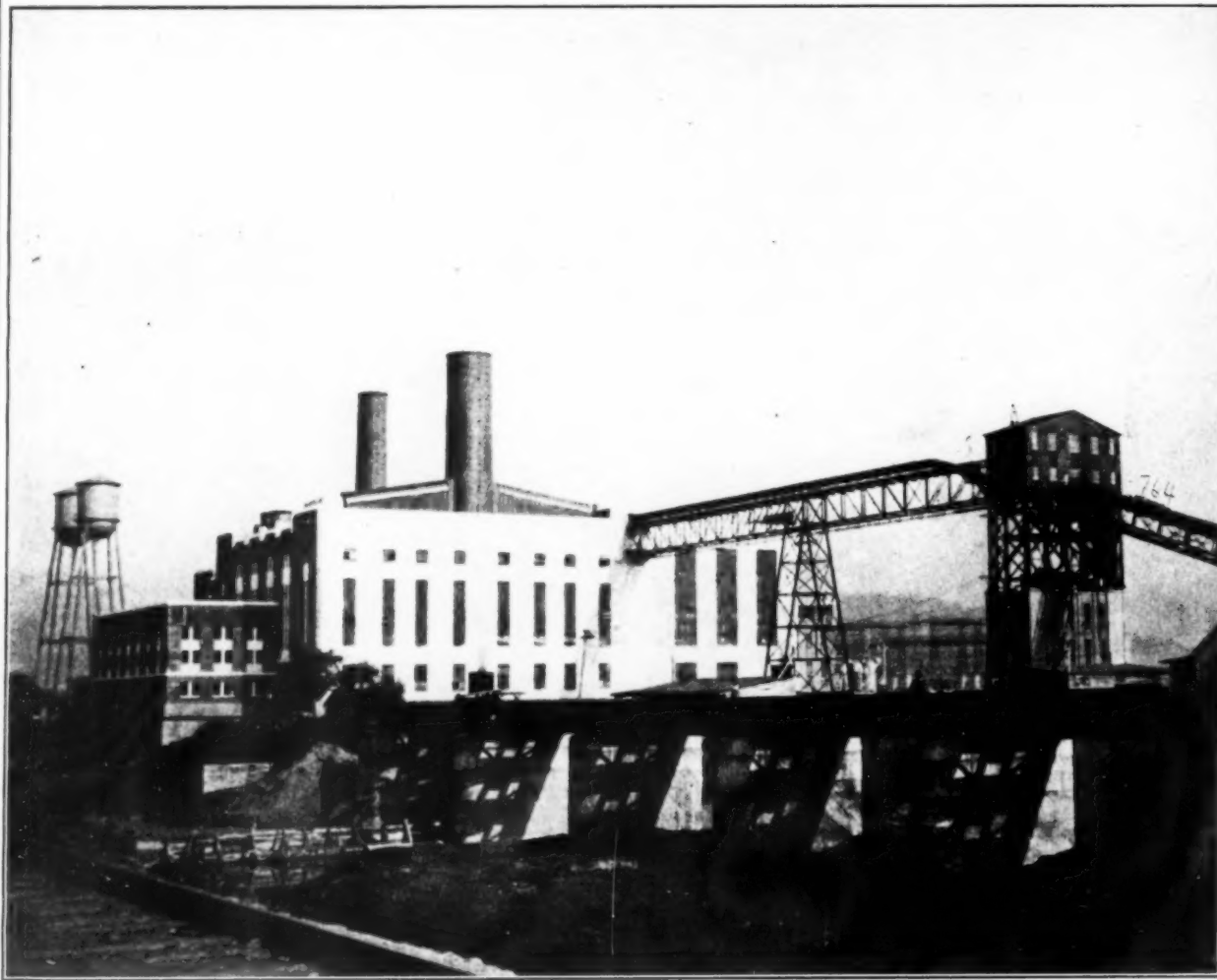
In reply to a request from the editor of the Literary Digest for the views of the Manufacturers Record on the Prohibition report of the Federal Council of the Churches of Christ in America, the editor of the Manufacturers Record wired that paper as follows:

"I have not seen the full report of the so-called organization of the Federal Council of the Churches of Christ in America on Prohibition. I have for many years regarded that organization as thoroughly inimical to the religious life of this country, akin in its methods to the Interchurch Movement a few years ago, which was honeycombed with socialism and the death of which left behind it a stench that cannot be wiped out, so that I have given comparatively little attention to any reports issued by the Federal Council of Churches. Those I have studied have generally been extremely misleading. That organization has assumed to speak for the Protestant Churches of America. It does not do so, except to a limited extent. For instance, the Baptist churches of the South, with a white membership of over three million, have always refused to affiliate with or to recognize in any way the Federal Council of Churches.

"So far as I have examined that portion of the report on Prohibition which has been published, it appears to me to be misleading in many respects. It is claimed that it is based on a questionnaire sent promiscuously to a large number of people, but the names of these people are not given and any anonymous publication of that kind is, in my opinion, unworthy of consideration. If the Federal Council of Churches will publish over the names of those who have replied for or against Prohibition the letters in full, it will then be possible to make a more intelligent study of the report and the influences connected with those who have voiced their views for or against the enforcement of the Prohibition laws.

"I have no doubt but what there will be some points worthy of favorable consideration in the report, but so far as I have been able to read the report its influence as a whole, it seems to me, will be directly contrary to the position which all the moral forces of the country should take in demanding that the Prohibition law should be enforced without regard to whether men believe in that law or not. It is a part of our national Constitution. Upon its enforcement depends the question as to whether the nation or the criminal element in the nation is the stronger. If the criminals could by any means destroy the ability of the nation to enforce its own laws, then our Government would cease to exist. This is simply a desperate fight on the part of criminality of the bootlegger and the buyer of bootleg whisky to break down a national law. If they could succeed, no law pertaining to the safeguarding of property or life would be worth the paper on which it is written.

"In the recent survey of the Prohibition situation made by the Manufacturers Record every letter received, whether for or against Prohibition, was published over the name of the writer, in order that the public might see who these people are and what they said on the subject. In my opinion, any other kind of survey is valueless. It took 50 pages of a pamphlet of pages the exact size of the Manufacturers Record to carry these letters. The writers of them were among the foremost physicians, lawyers, surgeons, educators, bankers and manufacturers of the country, and they were almost unanimously in favor of the good effect of Prohibition, but if they had been unanimously against Prohibition I would, in justice to the public, have printed their replies."



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SEPTEMBER 24, 1925

Manufacturers Record

EXPONENT OF AMERICA

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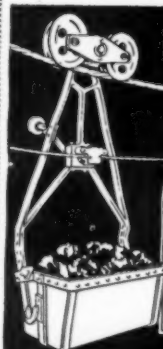
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Manufacturers Record

EXPONENT OF AMERICA

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Weekly

BALTIMORE, SEPTEMBER 24, 1925.

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In This Issue.

Few economic questions have created as wide discussion in this country during the last few years as the Muscle Shoals situation. Some have thought of it in terms of power for distribution throughout the

Muscle Shoals—What Shall We Do With It?

South, some in connection with the utilization of the power developed there for the production of nitrates for use in time of peace and for safeguarding the nation in time of war.

Among the scientists who have studied the subject with great care is Courtenay De Kalb, who, gathering his data from the highest authorities in the country as to the needs for nitrates in time of war, gives us the view of a scientist of far-seeing vision who has no interest, direct or indirect, other than that of patriotism in Muscle Shoals and what should be done with that situation.

Mr. De Kalb's article will be divided into two or three chapters and will be followed by the views of others, some of which will probably discuss the subject from opposite standpoints.

The MANUFACTURERS RECORD believes that the subject is of such great importance that the country should have all possible light thrown upon it and that is the reason we are going thus freely into the matter.

Many of the great railroads and business corporations of the country have their headquarters in New York, although all of their physical operations are in far distant states. The

Where the Government Gets Its Money.

Steel Corporation, for instance, has its mining and manufacturing interests scattered from the Lakes all the way down to Alabama, and a similar statement could be made in behalf of nearly every other big manufacturing industry in the country whose head office is located in New York. Railroads who haven't a single mile of track within five hundred to a thousand miles of New York have their headquarters there. These corporations pay their income tax through New York. All of their money is made elsewhere, but by virtue of their head office being in New York they pay their income taxes through that city. New York people, therefore, are constantly posing as paying a large proportion of the income taxes of the country and saying that while much of the money expended by the Government for highway and other work is in states far distant from New York, and, therefore, New York is bearing an unjust burden.

A more fallacious argument it would be hard to find. New York's great wealth is largely due to the establishment in that city, because of its financial power, of the head offices of railroads and manufacturing corporations, although New York does not produce a single dollar directly of the products of these industries located a thousand to three thousand miles

from New York. The attempt to claim that New York is unduly taxed for money to be expended in other parts of the country has, therefore, no foundation whatever. New York is rich because the manufacturing interests and the railroad interests in other parts of the country concentrate their financial operations in that city and New York makes all of them pay a heavy toll, but the real wealth is created in distant states. Every mile of highway built by the aid of the Federal Government in states far distant from New York is built out of the wealth created by production in states which do not touch New York, and these states are entitled to what they receive, and the money thus expended should never be measured by the income tax paid through New York, for the income tax is earned by distant states and not by New York.

A few years ago it would have been deemed impossible to formulate any system by which farm crops could be insured on a basis which would help the farmer and yet be safe to the insurance companies. This, however, is now being done to a very considerable extent in South Carolina under the system which we described a few

Insurance of Farm Crops Making Headway.

weeks ago, and progress is being made in similar work in the sugar and rice growing interests of Louisiana. A great change in farming conditions in Louisiana is being wrought by this farm insurance, which, in connection with land credit banks, makes it possible for the sugar growers and the rice growers to secure money for the making of their crops on a basis on which every interest seems to be amply protected. A practical sugar grower gives an interesting account of how the matter is working in Louisiana.

Henry Ford's claim for synthetic milk to supplant the dairy cow to the contrary, it is a well-known fact that wherever the dairy cow receives proper attention and the dairy business is adequately developed poverty

The Dairy Cow as the Creator of Prosperity.

is supplanted by prosperity. One only needs to travel through the marvelously rich agricultural country of central Pennsylvania, where magnificent dairy herds are on every farm, to see how the abounding prosperity of the farmers keeps pace with the increase in the dairy business. The land is rich, fertilized by the manure from these herds, and brings forth abundantly of wheat and corn and grass. Wherever the dairy cow has received proper attention in the South similar conditions have followed, perhaps not to so great an extent as yet, but giving promise of continued enrichment of the soil and prosperity to the people.

Development of the dairy business is vitally related to the industrial and general business prosperity of any section. It is

interesting, therefore, to see how the creamery business of the South is expanding, though the field is as yet unlimited for continued growth. It is impossible to get exact figures as to the creamery output of butter, and some of the states are probably underrated in the figures given, but if so it is due to the failure of state officials to furnish the information to the Federal Government in reply to the efforts made by the Government to secure the figures.

It is claimed by an English writer, whose interesting article appears today, that there is nothing in the English scheme of rubber output prohibiting or restricting production, but that this plan is for the restriction of actual shipments of rubber from the two English colonies which provide, roughly, half the world's production.

The Rubber Situation Viewed from an English Standpoint.

The other part of the world's producers are free to ship as much as they like to produce.

It is suggested that the complaint of tire manufacturers in Great Britain and the United States against this restriction of shipment is hardly justified in view of the fact that it is an effort to enable producers to cover the cost of production with a small margin over that, while it is claimed

that the manufacturers are making the public pay a larger price than the increase in raw rubber justifies.

The writer of the letter invites a general discussion of the subject, and the MANUFACTURERS RECORD will be glad to give space to articles of merit bearing upon this question, whether from the viewpoint of protecting the producers against the losses which they formerly had to endure or in favor of unlimited competition in the purchase of rubber, regardless of whether the producers were forced to continue in desperate poverty which prevailed under former methods.

A story of unusual interest as to how Asheville has made itself one of the outstanding, growing cities of the whole South is told in this issue. It is a story which should inspire every other city in the South.

Asheville Sets a Good Example.

It shows how a spirit of energy and enthusiasm, wisely directed, can be made to advance not

only an individual city but all the surrounding country.

While the thought of the country is being turned by Florida's activity toward the South as a whole, every part of the South should concentrate its efforts upon doing work similar to that which has been done at Asheville, and thus reap a harvest of prosperity.

OUR RELATION TO MEXICO.

THE delicacy of the situation with Mexico is well shown by the announcement in Mexico City that the Government is taking every possible precaution against unfriendly demonstrations by the public on the return of Ambassador Sheffield. We incline to believe that General Calles will actually receive the Ambassador with perfect courtesy, and that officially no evidence of dissatisfaction will appear; but after the President of the Republic has been called upon to answer a sharp letter, and has done so in words that display irritation, it is merely in accord with human nature that a certain coolness should exist. Ambassador Sheffield never can approach the heart of General Calles. On the other hand, the public is hostile, as sufficiently appears from the announcement that steps will be taken to preserve the peace when the Ambassador arrives. Coupled with this is the curious statement from Washington that Sheffield probably soon will resign. If he is to resign, why does he go at all? Why not send some one who is *persona grata* and patch up our difficulties from the start? Moreover, the Ambassador has once more made a *faux pas*. He has committed what, in the case of a diplomat, is an indiscretion. There have just been published in the City of Mexico extracts from a letter said to have been written by him to a journalist, in which he comments upon the prospects for adjustment of cordial relations between the people of Mexico and the United States. An ambassador is not sent to the people of another country, and officially is not supposed to know the people of the country to which he is accredited. He is sent to reside near the Government of that country, and to deal with and to address himself exclusively to that Government. The United States, following usual procedure, has just proposed the name of a new Ambassador to Japan to ascertain that he will be *persona grata* before making the appointment. If it is important to consult a nation before sending an envoy to make sure of his acceptability, then by what logic do we return an Ambassador who is known to have lost the sympathy of the Government to which he is sent? It is a pity not to have at Mexico City a representative who can assist, in the many ways possible to a man in a diplomatic post, in the difficult task lying before General Calles. He has by no means established order in Mexico. He is worried by obstreperous state

governments that insist on seating rival governors and legislatures. Here and there petty revolutions arise; deputies to Congress forget the proprieties and shoot each other, leaving behind animosities among the other members that are hard to heal; the workers inaugurate one strike after another, requiring the strong hand of the Executive to quell; recently the unions have undertaken by strikes and boycotts to ruin the oil company known as "El Aguila"; and now and then another American citizen is murdered. It is to the interest of the whole world that Mexico become pacified, and that requires the continuance in power of the existing Administration to the end of its Constitutional period, with peaceful transition to the next President to be elected. It needs a man of broad understanding of the intimate details of Mexican conditions, and with sympathy for the Republic and its legitimate aspirations, to so press observance of our treaty rights as to help rather than irritate the Mexican Government. There is a way to get co-operation and a willing performance of all that we demand. We doubt whether it can be accomplished by an Ambassador who has, at least, been the victim of an unpleasant episode such as was the letter of Secretary Kellogg, imprudently stated and addressed irregularly to the world at large.

INSURING PROFIT ON LAND.

THE Tribune of Tampa, Fla., announces that Lloyds, the great insurance organization of London, which under certain conditions will insure almost anything, now agrees to insure a Tampa real estate company that all investors in its property shall be guaranteed at least 50 per cent profit in five years.

With a New England company issuing crop insurance on vegetables, on sugar, rice and other things, and the results working out satisfactorily during the last few years of tentative operation, here comes the most novel insurance proposition we have ever seen.

"AMERICAN opinion brands Federal Prohibition enforcement as 'rotten to the core,'" says a magazine advertisement in certain newspapers, and from the manner in which law enforcement has been submerged in practical, if not actually corrupt, politics, American opinion seems to be pretty nearly correct.

Do We Not Owe the Allies More Than They Owe Us?

DURING the five fiscal year period from 1910 to 1914 our exports to Europe were \$6,751,498,000 in value. During the five-year period 1915 to 1919 we sent to Europe exports to the value of \$19,494,779,000, an increase of \$12,743,000,000 over the preceding five years.

In the five fiscal years 1910 to 1914 our total exports to all countries amounted to \$10,829,090,000, while for the five years from 1915 to 1919 we exported \$29,340,339,000, or a gain of \$18,500,000,000. Due to the vacuum created by the war, our exports reached the peak in 1920, of \$8,228,016,000, or nearly four times as much as in any year prior to 1915, and practically, therefore, the war gave us a total of exports of \$37,568,000,000.

For two years of the gigantic struggle of Germany and of Austria and Turkey, under the leadership of Germany, to conquer the world, this country held itself aloof from any part in the contest, except to grow fat on selling enormous quantities of supplies to the Allies. But in 1917 President Wilson called Congress in session for the purpose of accepting the gage of battle which Germany had thrown down to us. He reminded Congress that Germany was making war upon the United States; that it had ruthlessly murdered our people upon the high seas; that it was attempting to control the right of this country to send its ships abroad, threatening to sink them and their passengers, regardless of international law. In a ringing speech President Wilson told us that no self-respecting nation could do otherwise than accept this challenge of our right to exist.

Under his leadership—though for two years he had been urging this nation to take no part in the war and even to be "neutral in thought" in the most terrific struggle the world had ever known, when barbarism was seeking to destroy civilization—this country accepted Germany's challenge and prepared for war. It was then known, however, that if Germany should succeed in conquering France and England it would demand the surrender of their fleets, and that they dare not sink them for fear that the reprisals of Germany would be made that much more intense. It was realized in the inner circles that if Germany should succeed in gaining these fleets, adding them to her own, the doom of the United States would be sealed.

In his tremendous campaign of placing the Liberty loans, Secretary McAdoo warned the nation that our own existence was practically at stake, and that the success of Germany in Europe would mean success against this country, and that Germany would demand of us an indemnity so great as to stagger the nation. No one questioned then the correctness of the position taken by President Wilson in his speech and Secretary McAdoo in his efforts to arouse our nation to its danger, nor can this fact be questioned now. In his speech, President Wilson, fully realizing that we could not put soldiers on the battlefields of Europe for a long time because this country had been permitted to remain wholly unprepared for war, suggested that the way in which we could help the Allies for our own good was by financial assistance.

For two years the Allies had bought from us foodstuffs and munitions of war to an enormous amount at exorbitant prices. During 1913 and the first half of 1914 industrial depression of the severest kind was sweeping over the United States. It looked as though a large proportion of our industrial interests were headed for bankruptcy. We were having the largest number of failures recorded in our business history.

The war instantly created a tremendous demand from the Allies for everything which we could sell, and almost overnight the nation turned from extreme industrial and financial depression to abounding prosperity. Literally, our business interests were being fertilized by the blood of the millions of soldiers who were dying on the battlefields of Europe. Let us study the details of our export trade year by year at that period:

EXPORTS, PRE-WAR, DURING WAR AND AFTER WAR, AND THE TOTAL FOR THESE FIVE-YEAR PERIODS.

Fiscal year	To all countries	To Europe only
June 30, pre-war		
1910	\$1,744,985,000	\$1,135,915,000
1911	2,049,320,000	1,308,276,000
1912	2,204,322,000	1,341,733,000
1913	2,465,884,000	1,479,075,000
1914	2,364,579,000	1,486,499,000
Total	\$10,829,090,000	\$6,751,498,000
Calendar year, during war		
1915	\$3,554,671,000	\$2,573,403,000
1916	5,482,641,000	3,813,278,000
1917	6,233,513,000	4,061,729,000
1918	6,149,088,000	3,858,698,000
1919	7,920,426,000	5,187,666,000
Total	\$29,340,339,000	\$19,494,779,000
Calendar year, after war		
1920	\$8,228,016,000	\$4,466,091,000
1921	4,485,031,000	2,363,899,000
1922	3,831,777,000	2,083,357,000
1923	4,167,493,000	2,093,415,000
1924	4,590,982,000	2,444,490,000
Total	\$25,303,299,000	\$13,451,252,000

It was more than a year after war was decided upon by the United States against Germany before we could put a single soldier on the battlefield of Europe. During all that time the Allies were fighting our battle just as much as they were fighting their own, for Germany was making war upon us and we had no soldiers ready for the struggle. No intelligent man can possibly question that if the Allies had gone down in ruin this country would have been conquered by Germany. With the combined fleets of England and France added to its own, Germany could have swept every ship of ours from the sea, captured our entire coast and landed millions of soldiers in America.

We have often claimed that we saved Europe. With equal truth we might say that Europe saved America. Since we could not put a soldier on the battlefield for over a year, the best we could do was to help to finance the Allies. Our Navy, of course, did good work, but the real struggle was on land. The money loaned was not sent to Europe. Practically every dollar was spent here for grain and flour and provisions and munitions of war and other things, and in the main the prices paid were exorbitant, and in many cases unconscionably and unscrupulously high.

It is well that we should recognize these facts in a perfectly frank discussion of this subject. We profiteered on the Allies to an extent which could not then be helped, but which we should now look upon with shamefacedness and sorrow. The situation was such that the Government could not control the prices at which these products were sold. Individuals were responsible. But the nation at large reaped the enormous profits which the individuals made. If when war was first declared by Congress we had been able to put our soldiers, even to the extent of half a million, in Europe, the situation would have been entirely different; the war would have been ended long before it was, and millions of lives and billions of treasure would have been saved. But,

in the light of the greatest conflagration in human history sweeping, as every intelligent man saw, toward our country, for two years we made no preparation to meet the situation.

After we had declared war, and before our soldiers could enter Europe, every man who died on the battlefields of France and Italy and Belgium died in defense of the United States as well as of his own country, and every dollar expended by the Allies in that period was for our protection as well as for theirs. We were indissolubly connected with the Allies—Siamese twins, in fact, and one could not live unless the others lived.

In the light of this situation, though this view may be contrary to that of many of our readers, the MANUFACTURERS RECORD unhesitatingly takes the ground that the indebtedness of the Allies to the United States Government should either be entirely wiped out, or so materially reduced as to completely change the whole situation. This applies to the countries which have already made financial settlements as well as to those which have not.

In taking this position we do so in behalf of the people of the United States primarily, and only secondly in behalf of Europe.

We owe a duty to ourselves, and that duty is to recognize that in lending money to the Allies we were merely helping them to save this country while saving themselves. In a spirit of devotion to duty, of a full realization of what the defeat of the Allies would have meant to the United States, our national thinking on this subject should be revolutionized. Instead of thinking that we saved Europe, we should think of what would have been our condition if Europe had not maintained the struggle until we were able to join in the fight. Instead of thinking of the debts of Europe to this country, we should think of the enormous profit made by the people of the United States in selling to the Allies at exorbitant prices a total in five years of \$12,000,000,000 of goods over what we had sold in the preceding five years.

We are too apt to forget this situation; too prone selfishly to grasp for the dollar which, viewed from the highest point of ethics, does not belong to us. The Allies are in a position which makes it exceedingly difficult for them to contest this indebtedness. To the extent of their ability, they feel that it is a debt of honor which must be paid. Would it not be better for us to feel that our honor should make us realize we owe them a debt for helping, by the defeat of Germany, to save us?

We are not unmindful of many conditions in the Allied countries which are unfavorable. We are not unappreciative of the fact that adverse conditions of many kinds prevail in Europe. But if we would give to the world an illustration of unselfishness based on justice and righteousness, we could well afford from every standpoint to wipe out every dollar of the indebtedness of European Governments to the Federal Government. In proportion to the present situation this would be a finer illustration of altruism than when we refused to accept the Chinese indemnity for the Boxer uprising. At that time the lives of a few American individuals were at stake and we sought to save them, as was our duty, but we refused to accept our proportion of the Chinese indemnity. Not the life of a comparatively few individuals, but the life of the country itself was at stake when Germany was endangering the world with its seeming all-conquering power, with its atheistic barbarism, seeking to destroy civilization and Christianity itself.

Standing, as we do, at the very pinnacle of national greatness, in all the world's history, with our wealth increasing by many billions of dollars every year, we could well afford as a nation to wipe out this indebtedness and thus give to Europe a new lease on life. Providence has placed in our hands material resources in many cases greater than the rest of the world. These resources, our boundless blessing, have

all been given to us as trustees for world betterment. Shall we fail as trustees to use them in behalf of humanity? Perhaps the cancelling of these debts—if in honor we can call them debts—might not be appreciated to the fullest extent by all the Allied people. Perhaps some of them might use our act unwisely.

But the viewpoint from which we should study this situation is duty to ourselves, without regard to how our Allies might use or abuse our act. If it is a duty to ourselves to cancel this indebtedness, which we firmly believe, we should not permit any act of European people to change our actions.

Let us, therefore, as a nation study this whole problem from every angle, forget the economic and political mistakes in Europe which are bringing about many unfortunate conditions, and in this remission of indebtedness give to Europe a stimulation which no individual and no nation burdened by heavy indebtedness can ever have for accomplishing the greatest things that are possible in material and spiritual achievements.

The one chief danger to America and the world, if we should take this action, would be the possibility that we would become Pharasaical and puffed up with an unjustified egotism and a feeling akin to that which would say, "We thank thee, Lord, that we are not as other nations." Such a spirit would injure our national character and create a spirit of ill will to us by other nations. After the war some of our people proclaimed a similar position and said we were altruistic in going to war, whereas President Wilson had emphatically proclaimed with all the power of his eloquence that we had gone to war only after Germany had made war upon us and to save ourselves. When some of our leaders and papers began to prate about our unselfishness and our altruism, the MANUFACTURERS RECORD said that that position was a direct insult to every one of the Allies and would of necessity create a spirit of ill will to us, because it was wholly untrue and was like a slap in the face to them.

Therefore, when we remit these debts, if we ever do, let us not do so with any thought of altruism, but merely as a business transaction in which the Allies gave more for our salvation than can ever be measured in dollars, though they be piled billions high.

A HARVARD PROFESSOR IN VIENNA.

A DISPATCH to the New York Times gives an interesting account of a lecture by Prof. A. B. Hart of Harvard University in Vienna on September 4. In the course of the dispatch it was stated:

"There has been fighting and bloodshed in the world every day since the League of Nations has been in existence, Prof. Albert Bushnell Hart of Harvard University said tonight in a lecture on World Peace given at the International University Extension.

"He declared that the League has not solved, and cannot solve, the problems confronting it, and offered reasons why the United States should not join it. He contended that, as the League Assembly votes by States, a small minority of the world's population, for instance, a combination of South American republics, could overrule the majority.

"Professor Hart bitterly denounced France for militarizing the black race in order to bring 2,000,000 negro soldiers over to Europe to settle the quarrels of the white nations. He emphatically declared that America would not participate in the settlement of the world quarrels unless American interests were directly involved.

"Last night Professor Hart lectured on American foreign policy. Today, American Minister Washburn, who interrupted his vacation in order to greet his old friend, gave a luncheon in honor of Professor Hart. The long list of distinguished guests included Polish Minister Warski, Polish President Schover, Professors Joseph Redlich, Pribram and Singer of Vienna, Professor Eisenmann of Paris, former Vice-Chancellor Breisky and Representative Arthold of Missouri.

"Professor Hart told the New York Times correspondent today that he would never be able to lecture in Vienna again after having so bitterly attacked the League of Nations."

Why Canada Is Not Prospering Relatively to the Growth of the United States.

FRANK R. KENT, one of the editors of the Baltimore Sun, has recently written a series of extremely interesting letters from Canada about the business conditions in that country. According to his statements, the leading business men of Canada are greatly depressed by the lack of progress and prosperity in that country, and are amazed at the prosperity of the United States in contrast. In his letters he gave many reasons for this condition of affairs, but we do not think Mr. Kent struck the keynote which tells the story of the depression in Canada.

Canada has a banking system which, literally, saps the vitality of that country to enrich a few interests and a few great banks in Montreal and Toronto. Its branch banking system, we believe, has been one of the greatest curses which Canada has had to endure, and that curse we have long believed is responsible for much of the serious condition under which the farmers and others of Canada are laboring. Many reasons can be given for the situation there, but primarily, in our opinion, Canada's branch banking system is the outstanding evil of the country.

The Canadian system is in direct contrast with that of the United States; but, unfortunately for our future, there is a widespread movement in this country on the part of big banking interests to develop a branch banking system which, if ever it could be carried out to its logical conclusion, would drain the wealth of the country to a few great financial centers and impoverish millions of people, while adding enormously to the wealth of a few great financial centers.

Probably no man in this country has studied the branch banking system in Canada, and the danger of it in the United States, more fully than Andrew J. Frame, chairman of the Waukesha National Bank, Waukesha, Wis. Mr. Frame is widely known in every banking circle in the United States. He is regarded as one of the safest and wisest bankers of the country. Therefore, when Mr. Kent's letters appeared in the Baltimore Sun we sent copies of them to Mr. Frame and asked him to give us his views on the extreme depression existing in Canada as indicated by Mr. Kent's letters. In reply Mr. Frame has written us as follows:

"In response to your request for some reasons why Canada is in the slough of despond as compared to the wonderful progress of the United States, as indicated by conclusions of Frank R. Kent in letters to the Baltimore Sun written from Canada, permit me to brief a few only:

"Mr. Kent says Canada has wonderful natural resources, with more water-power than the United States. She has but 9,000,000 population, compared with the United States at 114,000,000, and Canada is crying for more; yet Mr. Kent's headings read: 'Canadians Pour Across Line to the United States,' 'Drift of Population to Southern Neighbor Blow to Dominion,' etc., 'Canada Dazed by United States Income Tax Payments,' etc. Mr. Kent seems uncertain as to the causes thereof.

"After over half a century of study of the progress of the United States as compared with Canada, I conclude that the branch bank octopus is the underlying cause for paralysis in Canada. For fear I may be charged with prejudice, permit me from my barrel of overwhelming testimony from reliable sources to quote briefly from Canadian sources largely to confirm my contentions:

"1. Canada has 3,000,000 square miles of territory, which, barring Alaska, equals that of the United States.

"2. Canada's banking power, with eleven central banks in Montreal, Toronto and Quebec, which own, say, 4500 branches throughout the Dominion, is exceeded by the banking power of little Massachusetts alone.

"3. As it requires \$500,000 capital and a charter from the Canadian Parliament to open a bank there, with the opposi-

tion of the 'octopus' it is about as difficult to enter the field there as it is to get into a modern safe with a toothpick.

"4. The 4500 branches have no capital, no presidents, no boards of directors, no stockholders; they pay no dividends—make no loans to farmers on mortgages, as against, say, 20,000 country banks owned largely by local people in the United States, making it their main business to care for farmers on personal security or farm mortgage loans. The Canadian branch banks have figure-heads for managers, and, as they are changed every few years, they are not inspired to upbuild their localities; loans of over \$500 generally must be approved by central bank management before closing. The human element is practically a non-entity and few managers are alive to upbuilding their localities. Another more serious objection is that *practically no profits are distributed locally where they are made*, but such profits are skimmed from them to enrich the eleven great octopuses in the great centers, thus impoverishing the nation at large.

"Is it not common sense that if one cannot enjoy the fruits of his own labors his fire ceases and progress halts?

"Let us contrast these local conditions throughout Canada with like conditions in the United States.

"To illustrate: Waukesha county has 20 independent banks, and prosperity, as a whole, abounds throughout. Waukesha City has 12,500 population, with some 2500 people employed in manufacturing industries. Who inspired it? Largely, the bankers, whose fire never smoulders and whose interests lie at home first, then as the nation's builders. The banks pay annually, say, \$40,000 a year in taxes, and the profits of, say, \$60,000 (6 per cent on capital employed) belong to local stockholders and are used to fructify and improve our city, instead of enriching the octopus. One hundred thousand dollars for 10 years equals a million, which is a tidy morsel in upbuilding one section alone. Apply these illustrations to the nation at large, and the answer seems simple why the United States prospers, while Canada's fire smolders.

"To confirm this view may I say: The chairman of a Canadian Royal committee to investigate branch banking, in a letter to me says: 'The great objection to the Canadian banking system is that it concentrates the banking profits in two large cities, Montreal and Toronto. This applies to all business, manufacturing, trading, insurance and mortgage loans.'

"Finally, may I requote only one other indictment from my barrel: Some years ago, in a grilling article, the Toronto Star said of the 'Canadian Branch Banking System':

"'Monster banking monopoly, a leech at Canada's throat, killing local industry, depopulating rural districts. Centralization of almost entire financial power in the hands of a few capitalists has resulted from our much-vaunted banking system, almost total extermination of local banks, planting of a branch to "suck out local earnings," etc. To this accursed system of concentration of credit, the Dominion of Canada stands indebted for a contracted population * * * due it under decentralized systems of banks, designed to breathe the breath of economic life throughout the remotest, as well as the most insulated, of its parts.'

"To my mind, the octopus is a leech at Canada's throat which skims the cream from her broad domain, thus leaving but dregs for the producers thereof. For these reasons alone it seems not surprising that 'Canadians Pour Across Line Into the United States,' etc.

"To my mind, Canada will remain a paralytic until some Paul Revere, a Thomas Jefferson or an Andrew Jackson arouses the sleeping masses to arise in their power to overthrow the cream-skimming octopus and give liberty to the masses. May I repeat, as a foundation-stone to all progress, that our fire kindles if we are left free to enjoy the fruits of our own labors, whereas discontent and paralysis follow in the footsteps of despotic power and neglect of the 'Golden Rule.' Branch banking is a calamity to city, state or nation."

If the United States is not active in checking the present tendency to branch banking, the same fate as that of Canada awaits us.

In another letter Mr. Frame writes:

"It is doubtful if I can say much more than I have already said, yet I might marshal a few of my views in response to your request. From more than 40 years of study of banking in Canada and the progress of Canada in comparison with the United States, I confidently believe that the lack of popu-

lation over there, the lack of progress, especially in farming and also in manufacturing, is due very largely to the cream-skimming process of the eleven great central banks, who practically pay no taxes in Canada under their branch bank system. Absentee landlordism in banking prevails. There is a lack of personal interest in the upbuilding of the nation practically universal. Profits that are made from the branches throughout Canada are sent to the great centers of the big banks, this impoverishing every section of the country outside of the big cities.

"The branch banks do not loan money on farm mortgages, whereas 20,000 banks in the United States do under our beneficent system. Individualism is squelched in Canada by skimming the cream from the profits, thus leaving nothing in the outside sections to upbuild the different industries, which are taken to the great cities. If Canada is a paralytic in progress, in population and in wealth, we can liken these results to what the Toronto Star once said of these great central banks: 'A leech at Canada's throat, killing local industry, depopulating rural districts.' What more need I say? The evidences which seem to have come to me for decades confirm every contention I make, and also confirm your judgment of the case. Branch banking is a calamity to city, state or nation."

THE FEDERATED CHURCH PROHIBITION REPORT.

R. B. FOSTER of New Orleans sends to the MANUFACTURERS RECORD a letter which he has addressed to the Christian Observer of Louisville, Ky., denouncing the report of an alleged investigation of the Prohibition question by the Federal Council of the Churches of Christ in America. In the course of his letter Mr. Foster said:

"The secular press is carrying a series of articles purporting to be laboratory results of inquiry into the results of the Prohibition Law.

"The second of these articles appears in the afternoon papers here today.

"As a member of the Southern Presbyterian Church, I desire to enter a most solemn protest against this treasonable action on the part of the official or officials of this Federal outfit, and as a church officer I pray that Dr. Summey, the moderator, will convene the General Assembly in extraordinary session and that our church will repudiate this Federal Council and all that goes with it.

"If you will consult recent issues of the MANUFACTURERS RECORD you will see that the splendid editor of that great journal has just completed a most wonderful canvass in behalf of law and order. As a business man and Christian gentleman, Mr. Edmonds gave of his time and money to help the law-loving people of the United States to overcome the whisky element who are striking at the very foundation of our Government, and to controvert all of his good work here comes an organization dignified as the Federal Council of Churches to upset the achievements of a hard campaign. Mr. Edmonds wrote to more than five hundred citizens and he printed their names as they unequivocally came out in favor of the Prohibition law. It will be interesting to see a list of the friends of the liquor interest that the Federal Council consulted.

"The Southern Presbyterian Church has no place in any organization that allows its name to be used in the interests of the lawbreaking element in our national life."

Dr. Clarence True Wilson of Washington in a statement given to the Associated Press likewise denounces that report with a vigor which probably will wake some of the people who have permitted that organization to misrepresent them. Dr. Wilson, who is a member of the Executive Committee of the Federal Council, said he knew nothing of the preparation of a report on Prohibition such as is being issued, and declared that if such a report had been ordered prepared and issued he believed he would know about it.

"If the writer of the articles for the Federal Council is not getting anything from the National Association Opposed to Prohibition, he is a fool," said Dr. Wilson. "It is exactly the kind of stuff that organization pays for."

The Methodist leader, adds the news item, also questioned the authority of the Rev. F. Ernest Johnson, head of the Federal Council's research and education department, under whose direction the Prohibition report was prepared.

A SUGGESTIVE LETTER AS TO SOUTHERN OPPORTUNITIES.

IN a letter to the MANUFACTURERS RECORD, discussing several recent articles in this paper and one especially suggesting the possibility of the abstraction of rubber from the poinsettia, Dr. George W. Carver, director of Research and Experiment Station at Tuskegee, Ala., writes:

"The rubber from the poinsettia is of good quality, and the suggestion that it be grown for that purpose on a large scale is well worth giving attention to. I have done considerable work on two or three varieties of milkweed and have gotten some very excellent results.

"The article on the citrus-fruit industry indicates, as it applies directly to the South, that this industry should have immediate and very careful study in order to increase the consumption commensurate with growing production.

"As I see it now, there is absolutely no question about the feasibility of three fine beverages made from the orange juice as follows:

"1. The straight juice of the orange, which would suit some palates, to the exclusion of all other beverages.

"2. A combination of orange juice and malted peanuts. makes not only a beverage which is very rich and attractive in appearance but unusually high in the fundamental principles of nutrition as well as vitamin content.

"3. A combination of orange juice and malted peanuts. Many claim this is the queen of beverages, as the malted nuts give it a delicious piquancy not found in any other beverage with which I am acquainted.

"I regret that I am so far away from the citrus-fruit section, as there are yet many, many possibilities to be worked out which would greatly improve and extend the citrus-fruit industry by taking care of several products that are now going to waste.

"The Pine Institute of America strikes me as the most timely and decidedly the most unique institute I have ever heard of. Conservation of natural resources, and especially as it relates to forests, is needed more than most any other real big problem before the American people. I believe every child should be taught very early in life the beneficial effects of forests and the harmful results of wanton destruction. I trust that the purpose and spirit of this institute will attract the people beyond its own members.

"I look upon the coming of Mr. De Kalb to Alabama at this time as almost or quite providential. I believe he will figure in a most prominent and helpful way in the great industrial wave that is destined to come to Alabama and the whole South.

"For some years I have been making a study of Southern dyestuffs from native woods, barks, herbs, flowers, etc. Since my return from the Southern Exposition in New York city I have resumed this study, and am amazed and delighted to find such a wealth of material largely from products now going to waste, from which dyes can be made for cotton, silk, wool, artificial silk, leather, etc. Many of the colors are exceedingly bright and pretty. The delicate flesh tints are very attractive. Lay experts in color tell me that there are a number of new shades, especially in the greens, yellows, blues, browns and purples; these colors launder well with soap.

"I am thoroughly convinced that native dyes should occupy a very prominent place in the ever-increasing list of the South's undeveloped resources."

SOUTHERN BANKS LENDING MONEY IN NEW YORK.

A FLORIDA bank having \$100,000 capital is now loaning on call in New York out of its deposits \$1,750,000. This is a remarkable illustration of the amount of money that is being poured into Florida banks and of how Florida bankers are trying to safeguard their future by having a very large proportion of their deposits available at any moment. New York stock operators are in this way being furnished with a vast amount of money by Southern banks.

AN "honest" bootlegger in giving the amount and sources of his income asked exemption for losses through "hi-jackers"—and, honest, it wouldn't surprise us a bit if Uncle Sam granted the desired exemption.

SOME GULLIBLE BANKERS.

THERE are at least seven banking houses in Columbus, Ohio, which do not know how to advertise to the good of their community and which do not understand the psychology of dealing with the public. These banking houses, consisting of national, state and savings banks, have been carrying a full-page advertisement in the Columbus daily papers for the express purpose of keeping people in that city from going to Florida. This advertisement has a large map of Florida and underneath it the following wording:

"WHAT ARE YOU GOING TO DO WHEN YOU GET THERE?"

"You're going to Florida, of course.

"You're out of a job here and the town hasn't done anything for you; for a prophet has honor, except in his own country.

"You are going to Florida. But what are you going to do when you get there?"

"Florida is essentially an agricultural state and its manufacturing interests are relatively unimportant."

"It ranks third in the manufacture of tobacco, this being the chief industry of Key West and Tampa, an important shipping point.

"Are you going to work in a cigar factory?"

"The lumber industry is also important and the state produces almost half the turpentine and rosin in the United States."

"Are you going out into a lumber camp and undrained wilds to cut trees or to help produce some turpentine?"

"The mineral resources of the state are not important, with the exception of phosphate rock and fuller's earth.

"Do you want to work in a fertilizer factory?"

"But maybe you are going to set up a restaurant or go into the hotel business.

"There are few factories, but you can get a job perhaps on a citrus farm or in an orange grove.

"But you can get all these kinds of jobs in Columbus.

"So, you are going to Florida to do what?"

"To sell lots to the other fellow who has gone there to sell lots to you. That's about all you can do in Florida unless you want to work, and if you want to work you can get a job that will pay you right here in Columbus, good old Columbus, that has a population three times as great as any city of Florida and one-third as many industries as the entire state of Florida.

"THE NATIONAL BANK OF COMMERCE.

"THE CITIZENS' TRUST AND SAVINGS BANK.

"BRUNSON SAVINGS BANK.

"THE FIRST CITIZENS CORP.

"FIRST NATIONAL BANK.

"THE OHIO NATIONAL BANK.

"THE CITY NATIONAL BANK."

If the bankers who signed this statement had known one iota in regard to the psychological effect of this kind of advertising, they would have realized that instead of keeping people away from Florida, they will send increasing thousands there.

Columbus has its own advantages, but the way to maintain its growth is not by foolish advertising of this kind, but advertising straight out the advantages of Columbus and the story of its industrial activities and general business conditions. The moment bankers undertake to keep people from going somewhere else, that moment they give an indication of weakness and a lack of how to reach the public, which only serves to develop an impression that the bankers are speaking from a purely selfish standpoint.

The information given in this advertisement for the express purpose of discrediting Florida has very few facts on which to be based. One amusing statement is, "There are few factories (in Florida), but you can get a job perhaps on a citrus farm or in an orange grove. But you can get all these kinds of jobs in Columbus." That is the first time we ever knew that Columbus had "citrus farms and orange groves," and we will be glad to have these bankers tell us the difference between a "citrus farm" and an "orange grove," and how many there are in Columbus. Such stuff makes one laugh at the gullibility of people who could father such an advertisement.

Somewhat similar advertisements to the one in the Colum-

bus papers are being found in newspapers all over the land. There is a definite effort by bankers, by state officials and by business men in many sections to do all in their power to head off the movement to Florida. They are using the newspapers of the East and the West freely in advertising against Florida and urging people to remain at home. They, too, like the Columbus bankers, do not seem to realize that advice of this kind only serves to intensify the desire of people to see Florida for themselves. This story of a little boy illustrates the point:

A bright four-year-old youngster was recently told by his grandfather not to pick up a piece of paper on the floor. The youngster stretched his hand a little closer to the paper. His grandfather emphasized his command and said, "Do not touch that piece of paper." The little fellow, with one eye on his grandfather, reached his hand a little closer to the forbidden paper. His grandfather with greater emphasis said, "I told you not to touch that paper," but the youngster instantly reached his hand and grabbed the paper. He was taken out of the room and a little discipline administered, but his reply to his grandfather was, "Didn't you tell me not to touch that paper?" "Yes," said the grandfather. "Well," said the four-year-old youngster, "if you had told me to touch it I wouldn't have done it."

That boy illustrates human nature. When people are told they mustn't go to Florida and mustn't invest in Florida, like the little boy, they go ahead directly contrary to the commands given them.

There is a danger in the Florida situation and this is that thousands of people who go there this winter will not be able to find boarding house or hotel accommodations. By a tremendous publicity carried out for years, by wise legislation and by local enthusiasm the people of Florida have brought about a situation which now is far beyond their control and, indeed, beyond the control of the country. It will require the most heroic work on the part of the people who have the real interest of Florida at heart to stretch every nerve in the effort to provide hotel and boarding house accommodations to protect the health of every community, to do their utmost by using every moral and, if possible, legal persuasion to prevent gouging by hotels, boarding houses and the sellers of foodstuffs of all kinds. Florida has too much at stake for the future to permit the enthusiasm of the country to be chilled by any blunders this winter.

CONTINUED INCREASE IN FOREIGN TRADE.

FOR the eight months ending August exports from the United States amounted to \$3,085,949,055, an increase of \$388,917,816 compared with the corresponding period of 1924. Imports for the eight months ending August total \$2,764,742,532, or an increase of \$382,015,952 over the first eight months of 1924. The excess of exports over imports is \$321,206,503, compared with \$314,304,639 at the end of August last year. For each month of the present year both exports and imports have shown an increase over the corresponding months of 1924.

THE UNORGANIZED, POWERLESS MAJORITY.

SPEAKING of migratory game bird laws, Dr. William T. Hornaday of New York recently said:

"Today the will of the great unorganized and powerless majority of the American people is being ignored and flouted * * *"

Which may be said to be true, also, of many other laws, especially that in which a coward, ignorant Congress exempted organized labor from the operations of a great law and so "ignored and flouted the will of the great unorganized and powerless majority of the American people."

NOTICEABLE CHANGES IN RAW COTTON DISTRIBUTION.

EXPORTS of raw cotton, as stated last week, for the past fiscal year were the largest for a decade, and nearly approached the pre-war level of shipments. Though Europe is still taking the bulk of our cotton exports, it is apparent that less American cotton is being sent there now, while more is going to other countries, particularly Japan.

Contrasted with their position prior to 1914, the shares of the various countries have undergone considerable change. In a report by the United States Department of Commerce it is shown that the United Kingdom, the largest single buyer of American cotton, took in 1924-1925 only three-fourths of the pre-war yearly quantity, and the exports to Germany were somewhat more than three-fourths. In the case of Germany a considerable proportion of the American cotton arriving at Bremen is transhipped to other European countries. France in 1924-1925 took 12 per cent less than its pre-war quantity. Exports to Italy, however, were about 50 per cent higher and those to Belgium 33 per cent higher than the pre-war exports, while the quantity of cotton going to the Netherlands was six times what it was before the war. Canada took 41 per cent more and Japan 226 per cent more, or over three times its pre-war quantity.

Cotton exports to Europe during the past five years were about 84 per cent of our total cotton shipments, whereas before the war we were exporting 95 per cent to Europe. Other countries took about 16 per cent of our cotton exports, compared with 5 per cent in pre-war times. The change mainly was because of increased exports to Japan, amounting to 11 per cent of the total during the last five years, against only 3 per cent during the five years ending 1913.

Within Europe there has also been a change. The percentage of total American cotton exports to the United Kingdom decreased from 41 per cent before the war to 29 per cent in the past five years, and those to Germany from 28 to 22 per cent. On the other hand, the proportion going to Italy increased from 6 to 9 per cent, to the Netherlands from 0.3 to 1.7 per cent and to Belgium from 1.9 to 2.9 per cent of the total exports.

EXPORTS OF RAW COTTON FROM UNITED STATES, BY QUANTITIES.

Country of destination.	1924-25 Bales.	1923-24 Bales.	Post-war average* Bales.	Pre-war average† Bales.
Belgium	214,391	161,313	176,929	161,344
France	907,982	719,805	727,051	1,034,258
Germany	1,840,686	1,320,187	1,357,088	2,351,732
Italy	727,579	543,688	563,273	487,453
Netherlands	145,311	108,847	102,882	22,924
Russia	278,274	121,994	81,534	83,178
Spain	270,739	201,167	253,587	258,154
United Kingdom	2,584,240	1,655,946	1,818,789	3,412,156
Other Europe	150,056	147,104	143,801	146,742
Total Europe	7,119,258	4,980,051	5,225,130	7,937,927
Canada	206,068	150,035	186,571	146,265
Japan	829,684	569,488	696,318	254,702
Other countries	49,931	32,362	82,681	55,121

Grand total.....8,204,941 5,731,936 6,190,701 8,414,015

*Average for 5 years, 1920-21 to 1924-25.

†Average for 5 years, 1908-9 to 1912-13.

Other factors in the raw cotton industry have undergone changes in the years since the war. Average cotton production during the past five years declined by 14 per cent and the yield per acre by 20 per cent from the pre-war level, while consumption increased 17 per cent and the price advanced 81 per cent above the pre-war average. The percentage of the crop exported in 1924-1925 amounted to 60 per cent and in the past five years to 57 per cent, compared with 67 per cent during the pre-war period. In 1924-1925 the United States consumed 43 per cent of its own crop and in the past five years 50 per cent, while before the war only 37 per cent of the crop was consumed here.

While cotton consumption has increased, there has also

been a tremendous increase in the use of silk and rayon in the manufacture of the finer fabrics for wearing apparel. The estimated consumption of rayon jumped from 3,871,000 pounds in 1913 to about 41,000,000 pounds in 1924, and imports of raw silk increased from 26,000,000 pounds in 1913 to 51,000,000 pounds in 1924. The Department of Commerce pays a high tribute to the South's cotton in commerce when it says:

"The important position which raw cotton holds in the foreign commerce of the United States is a matter of common knowledge, but it may not be generally realized that the value of the cotton exported is normally as large as or larger than the excess of total merchandise exports over total merchandise imports. During the years from 1905 to 1914 the favorable balance of the United States foreign trade in merchandise was \$4,766,000,000, while the value of the raw cotton exported during the same period was \$4,875,000,000—\$109,000,000 more than the trade balance. This means that the great cotton-growing industry of the South, after providing the country with practically all of the material for cotton clothing, cotton yarn and fabrics for industrial purposes and the innumerable products obtained from the cottonseed, contributes to the United States exports an amount which is normally more than sufficient to give the United States its favorable merchandise trade balance. This contribution to the exports amounted during the past 20 years to more than \$12,000,000,000.

"In the war and immediate post-war years the favorable trade balance in merchandise was much larger than the value of the cotton exports, due to the greatly increased exports of foodstuffs, iron and steel manufactures and other products, but in the more recent years cotton has resumed its former relative importance. Thus, for the past three calendar years the excess of exports of merchandise over imports was \$719,000,000 in 1922, \$375,000,000 in 1923 and \$980,000,000 in 1924. Cotton exports for the same years had the respective values of \$673,000,000, \$807,000,000 and \$951,000,000."

SOME REMARKABLE ADVERTISEMENTS OF ATLANTA.

LEADING business men of Atlanta are carrying full-page advertisements in the papers of that city stressing its advantages from various points of view. One remarkable full-page advertisement is devoted entirely to a story of what the churches mean to a community and how many churches Atlanta has. In this advertisement it is said that half of all the people who live in Atlanta are church members, there being 242 churches in the city, with 125,320 members.

"Religion," says this advertisement, "is both the anchor and the rudder of prosperity. A religious spirit makes better employers, better workers and a better public spirit with which to deal. Without such a spirit all legislation, co-operation and organization are of no avail. Religion is to the world what the spring is to the watch, and the sooner it is generally recognized the more will the people be healthy, happy and prosperous. It is this contribution—this religion of reality—which the Atlanta churches strive to inculcate in the hearts of our citizenry."

Much more to the same effect is contained in this advertisement, which is signed by a number of general business men, including bankers, realtors, manufacturers and others.

The most hopeful sign in the South today of the coming prosperity to the whole section is that awakened spirit which, through local advertising and local enthusiasm for every work of this kind, is stirring and stimulating the people of these cities. Success to every work of this kind!

NO HATRED.

THE Progress-Index, Petersburg, Va., in a recent editorial, said:

"Taxation should stop at the grave," said the MANUFACTURERS RECORD in an article arguing for the repeal of the Federal law taxing inheritances. If this is true of taxation, it also should be true of hatred. The MANUFACTURERS RECORD in the same issue from which the above quotation is taken demonstrates that it has not ceased to hate Woodrow Wilson. In an article on the final withdrawal of United States marines from Nicaragua, the MANUFACTURERS RECORD attacks Mr. Wilson for having sent them there in the first place, and also for the occupation of Santo Domingo in 1914. The MANUFACTURERS RECORD thinks there should have been no such intervention, even to save the lives of thousands who would have been slain as a result of the anarchy prevailing in the island.

"Theoretically, the turbulent peoples of other American republics have a right to determine for themselves whether they shall have stable and efficient government or chaos. Practically, conditions such as existed in Santo Domingo, and to a lesser degree in Nicaragua, tend constantly to create trouble for the United States. The so-called governments of the countries in which such conditions exist disregard their obligations to other countries and then expect Uncle Sam to intervene to protect them from punishment. They invoke the Monroe Doctrine in a hurry, although disposed to belittle it when conditions do not call for its application. During the years that the marines have been stationed in Nicaragua that country has enjoyed unbroken peace and prosperity greater than it has ever known."

It is needless to say that the Progress-Index is entirely mistaken. The MANUFACTURERS RECORD never hated Woodrow Wilson, and the most pleasant correspondence with him during all the time he was in the White House is ample proof of that fact.

The MANUFACTURERS RECORD did not hesitate to question the wisdom of Mr. Wilson's lack of preparedness policy, for it seemed to us that every man studying the situation should see that we would be inevitably drawn into the war. We happen to remember that on the first Sunday after the opening of the war the writer was speaking to a minister to whom he had that day listened, and in substance said:

"I do not know what position President Wilson will take in the matter, but I do know that, in my opinion, we should quietly but aggressively develop our Army and Navy to the point where it would be ready to meet an emergency, for it is inevitable that we will be drawn into this war before it ends."

Whenever President Wilson made a move which it seemed to us was wise, we unhesitatingly commended him editorially and in personal correspondence, receiving from him, direct, many letters expressing his appreciation of the suggestions made and the information given. Whenever Mr. Wilson advocated a policy, such as "neutrality in thought" when the world's civilization was at stake, we criticised that position as unhesitatingly as we commended others, but we had no thought whatever of hatred to President Wilson. Men may differ in this world on vital questions and express their views freely without one single thought of hatred or ill will finding lodgment in heart or brain. If the Progress-Index had known the inside of the situation in the case of landing of troops in Nicaragua and their long maintenance there, it would probably have avoided making such an unjustified criticism as that of its editorial.

Is the Progress-Index willing to publish this reply to its editorial charging us with hatred of President Wilson?

THIS SOUNDS LIKE "FUNDAMENTALISM."

A MAGNIFYING of the importance of nature, which he said was, after all, only one incidental manifestation of the power of God, is one of the greatest sins of a degenerate age, says Rev. A. B. Winchester of Toronto, according to the New York Herald Tribune. Mr. Winchester is a brave man to speak thus in these days of "modernism." Some of his

brethren of the cloth are apt to denounce him as a "fundamentalist," than which, in some eyes, there is nothing more ignorant or vulgar.

VICE-PRESIDENT MARSHALL SPEAKS.

THOMAS RILEY MARSHALL, for eight years Vice-President of the United States, speaks from the grave, in the Washington Post, as follows:

"Some time since I inspected the new Indiana reformatory. The warden is a thoughtful man. I said, 'What is the principal reason why these bright-faced young fellows are here?' His answer startled me. He said the great majority of them had fallen into evil ways; had become criminals because in their boyhood they were neither taught any useful calling nor compelled to do any labor; that they were just pampered children who, when they left the home nest, knew no way to earn a livelihood; were disinclined to do any work, and consequently became victims of idle and vicious associates.

"Prophecy about human conditions is about the most useless and uncertain thing in which a man can engage, and the old saw, 'Satan finds work for idle hands to do,' is quite likely true.

"If we can just succeed in passing the so-called Child Labor Amendment to the Constitution of the United States, we shall not lack for a crop of young criminals at any time in the future."

Mr. Marshall's father was "one of nine children, all of whom were taught to work." Mr. Marshall, himself, was an indefatigable worker. He was numbered among the keen, practical minds of American history. His philosophy was of the shrewd, cheerful kind, as when he said, "What the country needs most is a good five-cent cigar." In thought and utterance, in his sincere desire for the welfare of the "common people," Marshall was not unlike Lincoln. He loved children.

Such are the views on the so-called Child Labor Amendment—actually, the Idle Child Amendment—entertained and expressed by a good man, devoted to children.

Reduced Cotton Yield and World's Needs.

The estimate of the cotton yield, by states, as given by Hicks & Williams, cotton merchants of New York, in their circular-letter, September 15, is as follows:

States.	Bales.
Virginia	47,000
North Carolina.....	1,120,000
South Carolina.....	810,000
Georgia	975,000
Florida	30,000
Alabama	1,020,000
Mississippi	1,295,000
Louisiana	650,000
Texas	3,780,000
Arkansas	1,280,000
Tennessee	420,000
Oklahoma	1,356,000
Missouri	255,000
California	110,000
Arizona	90,000
New Mexico.....	60,000
Others	15,000

Estimated Yield.....13,313,000

All reports now agree that there has been a heavy deterioration in the yield of cotton from the estimate made some weeks ago by the United States Department of Agriculture. That report was wholly unjustified. It resulted in the sale of millions of bales of cotton by farmers at prices far below the intrinsic value based on the world's needs and the world's supply. Messrs. Hicks & Williams, in their circular, say:

"Consumption of American cotton last year was 14,427,000 bales, or, deducting linters, 13,400,000. It is evident, therefore, that the world again faces the question whether the new supply will be sufficient to keep spindles turning throughout the year.

"Early predictions of a large surplus have been completely silenced, and attention is now directed to the new season's consumption. Figures furnished by the Federation of Master Spinners show that during the first six months of this year the world used 7,022,000 bales of American cotton."

MISS LATHROP'S QUESTION ANSWERED.

UNFAIR charges of insincerity, verging on venality, are indirectly voiced against some of the newspapers of the country by Miss Julia Lathrop, former chief of the Children's Bureau in the Department of Labor, in the Annals of the American Academy of Political and Social Science, her article virtually indicating that these papers had turned from support of the so-called Child Labor Amendment to opposition because the National Manufacturers Association opposed it. Speaking of the switch by "one great New York daily" from support to opposition, Miss Lathrop continues:

"This sudden change of attitude toward the Amendment on the part of one of the great papers of the country is cited because, although an effect and not a cause is visible, it aids in understanding the quick change in attitude of smaller papers.

"Representatives of the National Manufacturers Association and certain other organizations had appeared before the Congressional committees in opposition to the Amendment. Their opposition was unsuccessful and a campaign against ratification followed in which the National Manufacturers Association, its allies and employees used great skill in the production and circulation of material hostile to ratification."

The "swift propaganda" which followed, says Miss Lathrop, was "notable for its untruthfulness, its cowardly personal attacks, its stirring up of race and religious antagonisms"—and, yet, "it displayed enormous power over press and pulpit and legislatures." Apparently, the press, the pulpit and the state capitols were gullible in superlative degree.

Miss Lathrop is agitated over this wicked propaganda as she sees it. "Whence came its strength?" she asks. The answer is it comes from the patriotism, the Americanism, the independence, the religious freedom, the parental affection, the realization of parental responsibility, the insistence on protection for the children of the land, abhorrence of the "nationalization" and standardization of the children, as in Russia; the love and protection of home, the protection of religion against atheism. These are a few of the sources from which this fight has gained, is gaining and will continue to gain its strength. Easily answered, Miss Lathrop.

OPERATION OF THE BUREAU OF MINES.

DR. GEORGE OTIS SMITH, United States Geological Survey, in a letter to the MANUFACTURERS RECORD gives the following interesting information in connection with the work of the Bureau of Mines:

"As stated in my circular-letter of June 17, the duty of gathering statistics on the mineral resources of the United States was given to the Bureau of Mines when that bureau was placed in the Department of Commerce. The transfer of this duty from the Geological Survey to the Bureau of Mines also involved transferring the employees of the division of mineral resources. However, a number of the specialists whose work on mineral resources has been well known in past years are remaining with the Geological Survey and discontinuing that particular phase of their work. As this change has seemed puzzling to some of their friends in the industry, I believe you may be interested to learn how it comes about.

"The specialists referred to are members of the division of geology and carry on a substantial part of the field and research work of that division. Because of their familiarity with certain minerals in their geologic relations, and their consequent ability to interpret the statistics, these men have been called upon in the past for advisory and supervisory work in the preparation of statistical reports on mineral resources. For example, the geologist in charge of the section of iron and steel metals has supervised and prepared statistical reports on the production of cement and iron; another geologist has prepared reports on lead, zinc and cadmium; another, those on slate, sand and gravel, stone and lime. Such use of their time and energy, though at a certain sacrifice of research work, was believed justified by the value of their contributions in the field of statistics. However, the division of geology has first claim upon these men. Their retention in the Survey does not in any way reflect on the value of their work on mineral resources, but

rather emphasizes the importance of their scientific research, from which they could ill be spared. To this work they will now be able to devote undivided attention, and I feel confident that the results will be of great benefit to the mineral industry."

THE PHILOSOPHY OF A GREAT BUSINESS LEADER.

A. B. FARQUHAR of York, Pa., who recently passed away after a long and useful life, wrote his autobiography when 80 years of age, and here are some of the paragraphs which the Philadelphia Ledger quotes from it as the philosophy and the religion on which Mr. Farquhar's life was based:

"And now, in conclusion, what does it all mean? What have all those years taught me? Nothing of a startling nature—the incidents fade—but these principles remain:

"First. That it is, as a rule, safe to trust human beings. Comparatively few are unfair, if you are fair yourself.

"Second. That troubles and apparent difficulties are but stepping-stones to progress—the most practical way of learning—and, as Greely said, 'The way to resume is to resume.'

"Third. That there is nothing that will take the place of work, either to gain success or to gain happiness or to gain both—and I think it is possible to gain both if, in the striving and working for success, the dollar is not put above the man.

"Fourth. That one can and must keep faith with oneself.

"Fifth. That God is not mocked. You cannot break his laws without suffering.

"Sixth. That one's only dangerous enemy is oneself. In the ultimate no one can hurt you but yourself.

"Seventh. That friends are among the greatest assets—and the way to get friends is to be a friend.

"Eighth. That one should never seek anything for which one does not give value. This avoids the disposition to speculate—which is one of the greatest dangers that beset the business man.

"Following these rules, the world grows in interest and life is happy with gathering years."

The autobiography of Mr. Farquhar is entitled "The First Million the Hardest." In that book he tells the story of his early struggles in a way that is fascinating to the extreme and is an inspiration to every young man who reads it. While we do not agree with all of the free-trade arguments advanced by Mr. Farquhar, we do heartily commend to our readers "The First Million the Hardest" as one of the rarely interesting books of the last decade.

THE WORLD SHORT ON BUILDINGS.

THE New York Times recently contained a brief interview with Harris E. Armstrong, who was returning from Europe and is on his way back to Australia. He had been studying the housing problem in Europe and is quoted in the Times as follows:

"He said that it was the most important problem that England, France, Belgium, Germany, Spain, Holland and Italy had to settle at present. England was constructing 150,000 houses for working people of cast iron and steel, with insulation, which could be put up in little more than a week. The shortage of houses all over the world, Mr. Armstrong added, was caused by the lack of building for the past decade and the rush to the big cities after the war."

THE SOUTH'S OPPORTUNITY.

IN a double-leaded editorial the Montgomery Advertiser calls upon Alabama and all the states of the South to get busy in preparing for the next Southern Exposition. On this point the Advertiser says:

"It is incredible that any Southern state should ever again be indifferent to this opportunity. What a challenge to Southern pride! What pleasure it should give Southerners to educate those outsiders who are ignorant of what we have accomplished and ignorant of the quality of Southern people."

Muscle Shoals—What Shall We Do With It?

By COURTENAY DE KALB.

Number I.

[Some months ago, with a view to giving to our readers all possible information about how Muscle Shoals should be utilized, we invited all of those who had been reported to us by the Committee on Muscle Shoals, appointed by the President, as having been invited to give their views to the Commission to send us a copy of their report. At the beginning of this discussion we published a lengthy review of the situation by our New York correspondent, Richard Woods Edmonds, whose paper in advance had been submitted by him to a number of leading chemists who had given much study to the Muscle Shoals situation.

Today we are glad to be able to begin publication of a series of articles on Muscle Shoals by Courtenay De Kalb, one of the foremost experts and chemists of the country, widely known for the thoroughness of his investigations on every matter which he discusses or on which he reports. Mr. De Kalb writes from an entirely different angle of that of a number of others. He has given months of study to the subject; he has had most intimate correspondence with experts as to Army and Navy needs in the event of war and as to the requirements of this country for nitrates in time of peace to safeguard our soils from constant deterioration. Mr. De Kalb writes from the viewpoint of a scientist who has no personal interest, direct or indirect, in any way whatever in Muscle Shoals or with any of the interests that will be connected with Muscle Shoals operations in the future. His only interest is that of a patriotic citizen who presents his views on questions of vital interest to the future of our country in war and in peace.

Following Mr. De Kalb's articles, which will appear for the next two or three weeks, we shall give the views of others as submitted to the committee, having already published a number of briefer reports which have been furnished to us.—Editor *Manufacturers Record*.]

The economic conflicts that are the fertile causes of war exist in a more extreme measure today than when the nations made their futile effort to establish a European status quo at the Congress of Vienna in 1814-15. The masses of people involved are greater; the economic interests are more ponderous and extensive; a new necessity has arisen for supporting industrial hordes that must be fed lest, neglected by society, they destroy it, and this in turn involves laying tribute upon scattered peoples to supply the raw materials to sustain the industry of these concentrated populations and then to consume their manufactured products. The preservation of peace necessitates relieving the pressure developed by these highly concentrated masses of humanity. Either they must be protected against competitive inroads upon their trade, or they must be offered, or driven to accept, the alternative of emigration.

The political partition of the wilder regions of the earth has made colonization a problem beset with thorns. Colonists from other nations than the one holding sovereignty over the vacant territory are not welcome if they come in great numbers. The entry of large bodies of men of foreign origin is dubbed "peaceful penetration," and is regarded as a preparation for alienating the sovereignty. Colonists from the surplus population of the country administering the so-called "colony" forfeit a degree of political independence, because the prime object of undeveloped colonies is to hold them as sources of raw materials and to provide more consumers of the articles manufactured in the mother country. Only a few weeks ago Count Michimasa Soyeshima declared in an address at the University of Chicago that "the population of Japan is increasing at the rate of about 600,000 a year. In another 30 years there will be nothing left for us," he said, "but to starve. * * * unless, in accordance with the Christian principle of human equality, the open door is declared throughout the world." Here we behold the origin of the Japanese menace. It is a hunger menace, necessitated by domestic conditions beyond her power of control.

We have heard much of the peril of war with Japan. It is a real peril, not because Japan necessarily hates us, but because we are in the way of her colonial expansion into the Western Hemisphere, just as England is in the way of her commercial expansion. Commercial expansion is a principle that Japan borrowed from the Occident in an effort to sustain her congested population at home in a state of economic and political independence. The outcome may be to make allies of America and Great Britain, and it may not. In an effort

to use "good offices" in control of Japanese destinies, Great Britain, looking toward her own advantage, long maintained an offensive and defensive alliance with Japan.

This is one concrete example. It throws light upon the economic complexity of modern world conditions. It reveals how futile are the efforts to control the nations by purely political mechanisms, such as the League of Nations. Already we have witnessed the abandonment of the Geneva protocols intended to restrain the nations from assuming warlike attitudes, because these protocols ran athwart the economic interests of certain Powers. The chief object of having a League of Nations was thereby defeated. That principle having failed, the League remains an empty and meaningless hulk, dangerous to world security in much the same way that any derelict becomes a menace to the navigation of the seas.

General Pershing recently reminded the people that habitually we have been penny-wise and pound-foolish in our neglect of preparedness for war. We always have listened to dreamers who have posed as economic protectors of the nation, with the result of incurring frightful losses in men and money when the crisis at length overwhelmed us. The World War cost us nearly 400,000 men and some \$30,000,000,000. Had we been prepared for defense, with a reasonable regular army, a trained citizen soldiery and adequate resources in necessary supplies, we would not have been forced to fight. Had we insisted upon our national rights by requiring Mexico to observe her treaty obligations toward us and toward our people, Germany would have been afraid to go to war with France and England. She deliberately tested our mettle in Mexico, and, on the reports of her Minister Von Eckhardt, she concluded that we were not sufficiently virile to take up arms in a national cause. The slaughter of Armageddon would have been averted had we been sensitive to our national honor and prepared to defend it. Norman Angell wrote a breezy book entitled "The Great Illusion," in which he stated the whole unsound pacifist argument. He undertook to show, in 1910, how impossible it would be for Germany to weaken her credit by going to war, and how absolutely vital it was to Germany to sustain British financial credit, upon which her own economic life depended. Subsequent events proved Mr. Angell (Lane) himself to have been obsessed by a "great illusion" in regard to practical international affairs. A great modern philosopher (Ortega y Gasset) has said that only that will exist which can be, and only that can be which functions within the limitations of the things that are.

If recent history means anything; if the failure of the League of Nations at the one point where it proposed to

minister to the peace of mankind signifies anything; if the tension of centers of teeming populations of unemployed, with nowhere to go, and no way to live without disturbing the peace of society, offers any indication of the future trend of events, it behooves a nation sincerely minded to preserve the peace to get ready to command peace.

Recently we have seen a Moorish chieftain entirely upset the calculations of the nations in respect to military equipment. It was thought that modern military methods were so destructive that no nation could go to war save on an equal footing. When they did, it was thought that the war must be mutually annihilating and, therefore, brief. Yet, Abd-el-Krim has shown in the Moroccan campaign that the old equipment has not been superseded. He is holding a first-class Power at bay with rifles. This recalls the oft-repeated statement that if we were to disarm only bloodier wars would follow. Men could then fall back upon minor arms and, in the end, upon clubs and extemporized weapons, in the terrible barbaric carnage of personal combat. The way to have peace is either to make war as swiftly dangerous as possible, or to solve the enigma of the economic balance, which latter, having nothing to do with politics, will not be allowed to happen. It would go the way of the protocols.

As world psychology is constituted, it becomes necessary to be prepared with all arms of a military organization in complete readiness; and, whatever those arms may be, they all necessitate vast quantities of explosives. Without them there is no preparedness, nor ever has been since the invention of gunpowder.

When we declared war against Spain, the pitiful lack of preparation promptly produced various scandals. Officers were then sacrificed to appease the public, although the fault lay with the public and not with the officers. A public that will not wake up in the hour of peace prudently to prepare for maintaining that peace can only be saved, it seems, by propitiatory offerings of the brave. An order was issued to land an American Army on the north coast of Cuba. The command was proffered to General Miles. He declined, knowing that he would pay a penalty for it. He declined, because there was not ammunition enough ready for use to serve through one stiff battle. Have we enough ammunition in sight at this time to meet a first-class foe?

The development of engines of warfare has made the quantity of explosives required today far greater than in 1898. We were unprepared then, but chanced to be fighting a nation that was beaten before the war began. The disproportion of numbers settled that. Any war that we are likely to have in future will probably involve our meeting first-class Powers. We will not then have armies of other countries at the front holding back the enemy until we get ready, as was the case in 1917. Except for France at the Marne and England in Flanders, we would have been defeated long before we could have put even 500,000 soldiers, properly equipped, in the field. An intelligent nation should not depend upon training an army and preparing supplies after the declaration of war. The men should be ready and the supplies available within our borders before time. It is that kind of wisdom that spares a people the horror of actual war.

After we entered the struggle in 1917, with enormous waste of money, through extemporized bureaus devoid of previous experience in the correlation of men and power and materials for war purposes, we began to do the things that we should have done economically and prudently in times of peace, to be ready for the emergency of defense. We quite overlooked our lack of practical good sense in the past in the kind of praise lavished upon the men who struggled heroically to do in a day what the nation should have had done in the decades before hostilities. The skill and the heroism displayed deserve due credit, but it is a sad reflection upon the people that we had to get ready in that manner. It is just as

rational as it would be to neglect the training of our children for the responsibilities of life, and then expect our boys to become engineers and lawyers and doctors in three weeks to meet the emergencies of a busy and advancing nation.

We learned many things not previously known about war with modern equipment in those two years, and many calculations went wrong. That was true not only of the United States but in some degree of all the nations. Germany had enough explosive material to carry out her original program of swift victory, but when General Joffre upset that program by repulsing the Germans at the Marne it soon proved that Germany was short of fixed nitrogen for military explosives. The entry of England into the war brought the British Navy into action and Germany was cut off from access to the sea, so that any hope from imports of Chilean nitrate was futile. However, to the credit of Germany, be it said, that she had a better trained technical body of citizens than any other country at that time. Balked in her earlier plans, she had the knowledge ready to develop the fixation of nitrogen from the air. England did not; France did not; the United States did not. We had failed to give that thorough training to our youth that Germany had insisted upon. They actually knew how to fix nitrogen; we understood only the elements of the process.

Gradually we worked out the problem and accumulated information that served for the successful installation, after the war, of one small plant at Syracuse, N. Y. Germany did not have to pass through that experimental stage. Her men were prepared. She swiftly increased her cyanamid plants and erected Haber plants for the direct synthesis of ammonia, so that when the Hindenburg drive was decided upon she was able to supply for that program 20,000 tons of nitrogen per month. We never succeeded, throughout the duration of the war, in making even so little as 500 tons of fixed nitrogen in one year. We relied upon Chile, and, fortunately for us, all the Powers having access to the sea were allied in the common cause with us. Accordingly, there was no serious danger of interruption of the commerce in saltpeter on the long stretch of ocean from the nitrate ports of Chile to Panama, a distance of about 3000 miles. The nitrate line was being protected, mainly by British ships. Nevertheless, the squadron under Rear Admiral Sir Christopher Craddock, patrolling the Chilean coast in November, 1914, searching for German cruisers, encountered and was defeated by them on this Achilles heel of South America, and the control of the coast was not secured until a more powerful British fleet arrived and destroyed the German vessels a month later. About the same time the German cruiser Emden pursued her spectacular career in the South Seas, successfully evading capture for over three months, and destroying over \$25,000,000 worth of property belonging mainly to England. These cases answer the argument that we could protect our nitrate line of 3000 miles on the Pacific with a navy that is entirely inadequate to patrol the 10,000 miles of coast line from Alaska to Panama and the additional 3000 miles down the South American coast to Chile. Only by leaving our Pacific Coast cities exposed to attack could we send a sufficient number of ships south of Panama to convoy nitrate fleets to American ports.

It was due to the circumstance that we were able to add our Navy to that of Great Britain, with no fear of molestation from Japan, that it was possible to overcome the handicap of an insufficient domestic supply of nitrogen during the World War. In 1914 we had a domestic production, chiefly derived from by-product coking ovens, of 38,470 tons of nitrogen, rising to 78,236 tons in 1918. By virtue of imported nitrate, our consumption of nitrogen in that year rose to 401,896 tons, which shows how great is the requirement of a first-class war. We must remember, also, that we were impoverishing the land at that time in order to use every

possible pound of nitrogen for explosives. In the same year England consumed, in addition to allocations of nitrogen products from us, a total of 200,918 tons, France 73,728 tons and Italy 23,516 tons. The grand total of fixed nitrogen consumed in the struggle against the Central Powers in 1918 was about 700,000 tons. Our own Government was preparing to sustain an army of 7,000,000 men, and to that end was preparing to consume about 20,000 tons of nitrogen per month, or at the rate of 240,000 tons per annum. At the present time our total output from all sources is about 107,000 tons per annum, or 8916 tons per month. Of that amount only about 900 tons monthly is derived from the loudly heralded plants for the direct synthesis of ammonia. We are unprepared!

Our customary demand for nitrogen for fertilizers amounts approximately to 180,000 tons per annum. Other uses absorb not less than 30,000 tons. Accordingly, to provide sufficient food, to maintain our normal refrigeration plants that have come to occupy a necessary place in our domestic economy in the preservation and distribution of wholesome meats, eggs and fruits, without which military operations would be seriously crippled, we would need, for the two items of food and powder, the great total of 350,000 tons per year. In other words, we need more than three times as much as we now have available within the country. Were we to become involved in war with a great maritime power, we would be defeated before we entered the conflict. We possess a large area, an enormous coast line, and we have a large population. We might not be conquered in the sense of a country invaded and prostrate, but we would be unable to take the initiative and offer battle, and we would perforce accept a humiliating peace, a war indemnity and concession for political influence in Latin America.

Our only security is to take energetic measures to insure the production, not 10 years hence, but 12 months hence, of a sufficient domestic supply of nitrogen to provide our Army and Navy in emergency. To that end nothing is being done. On the contrary, influences of many sorts are at work to prevent the accomplishment of this necessary preparation for peace. Shall we deliberately remain unprepared and vulnerable? That depends upon what we do about fixed nitrogen.

Program for Chemical Exposition.

The program of meetings, speakers, moving pictures and other events to be held in conjunction with the 1925 Chemical Exposition during the week of September 28 to October 3 at the Grand Central Palace, New York, has been practically completed. About a dozen leading associations in the American chemical and allied industries will take part and among the speakers will be several leaders in American chemistry and in associated fields. Co-operation from the United States Army, the Department of Agriculture and the Department of Commerce, in addition to the chemistry departments of a score of American universities, will complete the representation of Chemical America at the Exposition.

Exhibits of some 400 firms manufacturing chemicals, equipment, containers, instruments and many other products will make up the main body of the Exposition. An interesting feature will be the exhibit of a number of the large manufacturers of chemical fibers, yarns and fabrics, to be entitled "Chemistry's Contribution to the Textile Industry." Among these concerns will be the Max Ams Machine Co., Bridgeport, Conn.; the American Cellulose & Chemical Manufacturing Co., Cumberland, Md.; the Tubize Artificial Silk Company of America, Hopewell, Va.; the Industrial Fibre Company and the American Bemberg Corporation, Johnson City, Tenn. A section will be given over to various United States Government departments for a series of exhibits.

The American Chemical Society program includes four meetings to be held each day from Tuesday, September 29,

to Friday, October 2, inclusive. The last session will be held on Friday evening at the Faculty Club, Columbia University, as an informal dinner and smoker. The speaker of this meeting will be Dr. Alexander Findlay, University of Aberdeen, Scotland. Subjects to be discussed, with main speaker, are as follows: K. G. Mackenzie, "Petroleum Aspect of Oil Conservation"; M. C. Whitaker, "Fermentation Industries and Motor Fuel"; A. G. Fieldner, "Complete Utilization of Coal and Motor Fuel"; C. F. Kettering, "Motor Design and Fuel Conservation"; Symposium on Artificial Silk, speaker, M. G. Luft, "Development of the Artificial Silk Industry."

The Technical Association of the Pulp and Paper Industry meeting will be held on Wednesday, September 30, and the following papers will be read: "The Development of the Save-All," G. W. Repetti; "Acid-Resisting Alloys Used in the Paper Industry," Victor Hybinette; "Heat Insulation in the Pulp and Paper Industry," E. C. Rack; "Paper Dyes for Clear Back-Water," John R. Roberts; "Speed Reducers for Paper Mills," J. R. Shays, Jr.; "An Insulated Paper Mill Roof," C. J. Beckwith; "Evaporating Black Liquor," R. W. MacGregor; "The Meaning of Hydrogen on Concentration and Its Application to the Paper Industry," W. A. Taylor; "New Developments in Recovery and Finishing of Paper Pulp," K. A. Pelikan; "Rubber Tank Linings, Hard Rubber Suction Boxes and Ductor Blades," Norman Madge.

At the National Association of Finishers of Cotton Fabrics meeting, September 29, at the Hotel Roosevelt, the chief speakers will be: Dr. Charles H. Herty, "Control of Dye Purchases by the Textile Industry," and G. J. Esselen, Jr., "Artificial Silk and the Textile Industry."

For the American Ceramic Society, the general theme of the papers is the value of having students study products and product requirements in the collegiate ceramic courses. The speakers will be Alexander Silverman, Charles W. Hill, M. C. Booze, R. D. Landrum, A. P. Potts, F. H. Riddle, W. K. McAfee, Jane Hoagland, Edmund D. Curtis and Richard F. Bach. Dr. E. Ward Tillotson, president of the American Ceramic Society, will preside.

Motion pictures will be shown daily each afternoon and evening in a special auditorium in the Grand Central Palace during the week of the exposition, and a number of the new products developed completely in the United States within recent years are to be shown in the Court of Chemical Achievement.

The Chemical Industries reunion and banquet on the evening of October 1 will be held at the Hotel Roosevelt, with the following organizations co-operating: American Chemical Society, Manufacturing Chemists' Association, Chemists' Club, Salesmen's Association of the American Chemical Industry, American Gas Association, Drug and Chemical Club, Druachem Club, Synthetic Organic Chemical Manufacturers' Association, Chemical Warfare Service, Association of Textile Colorists and Chemists, American Ceramic Society, American Institute of Chemical Engineers, American Electrochemical Society, Technical Association of the Pulp and Paper Industry, Society of Chemical Industry and others. United States Senator James W. Wadsworth of New York will be the chief speaker.

Sessions in a one-week course in chemical engineering fundamentals and practice, primarily for students of chemical engineering at universities and colleges, will be held daily from Tuesday to Saturday mornings, inclusive, and general addresses will be given each day as follows: Tuesday, "Application of Research to Industry," Dr. Arthur D. Little; Wednesday, "Sources of Information for Chemists and Engineers," Dr. H. E. Howe; Thursday, "Buying and Selling the Products of Chemistry," William Haynes; Friday, "The American Chemical Industry of Today. Group I will comprise students who have knowledge of elementary chemistry; Group II, will comprise advanced students and those having a more extensive knowledge of chemical engineering.

MOBILE ENTERING UPON A NEW ERA. Great Dock and Warehouse and Railroad Developments Under Way.

By H. S. MATTHEWS, Mobile.

After carefully looking over the entire field of Southern opportunities for city and community development, I selected Mobile as next in line for a natural expansion of values, due to favorable conditions not generally known abroad nor appreciated at home.

Conservative Mobile certainly has not overstated its case to the investing public. I find here, on the contrary, an almost morbid dread on the part of the older residents of anything that might produce "boom" conditions or even any upward adjustment of values. With Florida only a few miles distant on the east and the Mississippi Gulf coast even nearer on the west, the city, lying between these two regions that are already in the limelight of public attention, could not escape notice even if this was most desired. Events that elsewhere hardly would be heralded as cause and reason for a great awakening are accepted at Mobile as matters of course, sometimes without the slightest outward evidence of a quickening of the public pulse.

To one who has felt the thrill of community enthusiasm in the Southwestern and Southeastern spheres of greatest development within the United States it sometimes appears that Mobilians are immune to such shocks, though they have that local pride and love of city that is to be found in its highest form in staid old Southern communities. The outward manifestations of this inward spirit are almost exasperating to some folks at times, though always lovable and admirable for the sincerity behind it all.

The MANUFACTURERS RECORD has kept close contact through its news columns with the terminal system which Maj. Gen. William L. Sibert and his associates of the Alabama State Docks Commission are building at Mobile. Though it is now only one year since the first of the docks bonds were issued and sold, the entire site, 550 acres, has been bought from the numerous previous owners, the fill for the new track of the Louisville & Nashville Railroad back from the riverfront is practically completed and track is being laid thereon; piers have been completed for the new Louisville & Nashville drawbridge across Three Mile Creek and the Docks Commission Belt Line Railroad has been placed in operation. The state-owned dredge Alabama, built at Baltimore, is pumping sand from river bottom to docks area for railroad fills and industrial sites at the rate of 10,000 cubic yards per day. Contracts for the actual construction of docks and warehouses will be let before the end of the present year as soon as the Louisville & Nashville is moved back from the riverfront to make room for slips and piers.

I have observed evidence that this progress is appreciated at Birmingham, where manufacturing industries will be benefited by the development of the seaport. The mayor of New Orleans has called the subject to the attention of his own city with the injunction that the city's Dock Board "get busy" in order to retain the relative place in Gulf Coast commerce which the Crescent City now occupies.

But the situation brought about by General Sibert and his associates with the aid of the state of Alabama and its credit has not been fully reflected in local realty valuation. The announcement recently was made by President John T. Cochran of the Alabama, Tennessee & Northern Railroad of the immediate construction of an extension of his line from its present northern terminus, Reform, Ala., to connect with the Frisco road at Glen Allen, thence to Haleyville, to connect with the Illinois Central Railroad. This movement called further outside attention to Mobile and acted as a stimulant to the local realty market, partly because of the fact that

more direct railroad connection with the West is one of the recognized needs of the port of Mobile.

Reports from New York that the Gulf, Mobile & Northern Railroad was being purchased by a Western line brought further inquiries, and at about the same time high officials of the Chicago & Eastern Illinois Railroad paid Mobile a visit. President Thomas C. Powell and Vice-President J. B. Ford were interested observers of the progress made by General Sibert's forces and declared themselves impressed by the docks developments at Mobile.

In addition to the docks and railroads, Mobile's expansion includes the construction of a bridge by local capital across the rivers and bay which separate Baldwin and Mobile counties. This is the one touch needed to turn a vast tide of tourist travel into Mobile from east and west, the route to the north having already been completed, or nearly so.

Those progressive Mobilians who have estimated the situation, as well as invested from the outside, have reached the conclusion that Mobile's immediate expansion will be largely in a southerly direction, along the shores of Mobile Bay.

The Old Bay Shell road, partially undermined because of the failure of its builders to protect it with seawall or bulkheads, was for many years one of the famous show places of the South. New Orleans parties who have purchased a commanding area of the bay-front property have determined to build a seawall, with a driveway at its terraced summit. That will compare with the famed Shell road in beauty and extent.

Contract for Three Washington Schools.

Washington, D. C.—General contract has been awarded by the District Commissioners to Skinner & Garrett of this city for the erection of the Brightwood Park and Manor Park schools and for a school building at 5th and Sheridan streets. The bid was \$339,827, covering eight-room buildings, and leaving out principals' offices, health and dental clinics and libraries. The contracts will provide, however, that all details of the original plans and specifications, in addition to the eight rooms and corridors, may be included as extra work should funds become available. It is understood that the commissioners will request Congress to appropriate sufficient funds to complete the schools, estimating that \$50,000 will be required. A. L. Harris is the municipal architect.

Casino on St. Petersburg Pier.

Baker & Baker, St. Petersburg, Fla., advise the MANUFACTURERS RECORD that they have been awarded contract by the Raymond Concrete Pile, general contractor for the construction of the proposed municipal pier at St. Petersburg, for the erection of a casino on the pier. It will be of reinforced concrete, hollow tile and stucco, with tile roof and floors, and will cost \$110,000. General contract for the pier was awarded at a cost of more than \$680,000.

Plans \$1,250,000 Church Building.

Washington, D. C.—The First Congregational Church of this city has definitely abandoned the idea of moving from the present site at 10th and G streets N. W. to a new site on 16th street as contemplated. A campaign will soon be inaugurated for raising a fund of \$1,250,000 for the erection of a new building on the present site. Dr. Jason Noble Pierce is pastor of the church.

De Witt County Commissioners, Cuero, Texas, have called an election for October 6 in the Yorktown district on a \$300,000 bond issue for the construction of roads in that section. It is expected to build 30 miles of roads in accordance with conditions designated by the State Highway Commission.

Where the Federal Government Gets Its Money for Road Building and Other Expenditures.

AN UNANSWERABLE REFUTATION OF CHARGES MADE BY NEW YORK AND OTHER EASTERN STATES.

An answer to those who claim that the states of the greatest wealth are being unduly taxed to pay the cost of Federal appropriations for highways in other states, is given by the American Association of State Highway Officials in a statistical survey of the source of wealth and revenue of various states and the amounts apportioned for Federal expenditures.

W. C. Markham, executive secretary of the American Association of State Highway Officials, Washington, D. C., in a full report on the subject, calls attention to some striking facts brought out in a general outline of the situation in the following:

Taxes are paid by corporations and individuals, not by states, the states acting merely as collection agencies.

The claim that New York and a few other states carry most of the burden of Federal taxation is erroneous. The actual payments made by states are according to wealth and population. Hundreds of corporations pay taxes in New York and have their property elsewhere. A large share of the Michigan tax comes from the manufacture of automobiles, yet the tax is paid by the people of the 48 states who buy these machines. The same thing is true in North Carolina, where tobacco furnishes a large proportion of Federal taxes, but the consumers of tobacco all over the world really pay the bill.

Thirty-eight per cent of the total bank deposits held in New York city national banks is derived from banks and trust companies outside of New York state.

The poorest state helps to enrich the richest state by the depletion of its natural resources and should have compensation for further development.

Of late years much of the Federal money spent in various states has been for highways, and these appropriations have been singled out as especially unfair. Let us see where this Federal money comes from. The total receipts of the Federal Treasury largely comes from internal revenue and customs duties which constituted over 83 per cent of the entire Federal receipts last year, the internal revenue collections representing almost 70 per cent. For purposes of comparison, 15 leading states in basic wealth, national wealth, population and internal revenue have been used as the basis from which certain deductions are made by the Association of State Highway Engineers.

New York, Michigan and North Carolina pay a larger percentage than their percentage of total wealth or population.

The case of Michigan is explained when it is understood that 43 per cent of the total tax paid by Michigan is excise on automobiles and 73 per cent of all the automobile excise tax of the United States is collected in Michigan. When it is known that there is an average of \$31 per car collected, it can be understood how this large fund is really spread out over the country, for the purchaser of the car pays the bill.

Of the Michigan income tax the Fords alone paid \$18,901,000. It should be stated, however, that the people of Michigan have not made any claim that they are paying more than their due share of the internal revenue.

As to North Carolina, a similar explanation can be made. North Carolina's seeming excess is even more startling, for 86 per cent of the total internal revenue paid by North Carolina is on tobacco in its manufactured form, and the purchaser, wherever he may live, pays for the revenue stamp. North Carolina likewise is not making any complaint.

While Massachusetts and New Jersey show a slight increase

of payments in excess of wealth, the results obtained from a study of New York state are the same for these states, except in a much less degree. Massachusetts, New Jersey, Virginia and Connecticut together barely furnish an average of one-half of 1 per cent of the basic wealth of the nation from each state. Virginia would not be in this group at all if it were not for the tobacco revenue tax, which is 56 per cent of the total internal revenue paid through that state. And Virginia, likewise, is not complaining.

New York is credited with having paid 28.8 per cent of the total internal revenue collected. Normally, wealth and population considered, New York should pay 10.9 per cent. If all the facts could be secured, it could easily be shown that that is really all the state is doing now.

Over 73 per cent of the total internal revenue credited to New York comes from corporation and individual incomes. And 40.9 per cent of the 73 per cent is from corporations. Speaking of personal income tax paid in New York, who is it that does not understand that the \$7,500,000 personal income tax paid last year by Mr. Rockefeller represented earnings collected from many states? The total number of corporations in the United States paying an income tax last year was 212,535. Of this number 35,504 paid an income tax in New York—almost three times as many as Pennsylvania—and yet New York has only 11.7 per cent of the total national wealth, while Pennsylvania has 9.2 per cent of the total national wealth.

It is naturally an impossible task to find the ownership of the corporations listed to pay income tax in New York, for while there were, according to the last Federal report, 35,504 corporations which paid an income tax, there were also 29,358 which, through making certain deductions, were relieved from paying an income tax.

The United States Steel Corporation in 1923 paid an income tax of \$16,000,000 in New York. They have 145 plants and warehouses, only two of which are located in New York state. They have 153,350 stockholders, only 21 per cent of whom are in New York state, who really paid this income tax, and there are more stockholders of this company living in Pennsylvania than in New York.

Probably the most flagrant examples of the railroad situation are the Union Pacific and Southern Pacific. The Union Pacific in 1923 paid an income tax in New York of \$4,500,000, and yet this road does not operate east of Omaha and Kansas City—half the length of the continent from New York state.

The Southern Pacific paid a tax of \$5,000,000, and this road does not run any nearer New York than New Orleans.

On May 15, 1925, the statement of the United States Treasury Department showed that while the deposits in the New York city national banks totaled \$2,218,027,000, a study of this statement shows that 38 per cent of those deposits were from banks and trust companies outside of New York state.

Those who have been protesting that their state is being assessed by the Federal Government to give funds to some far distant state seem to forget that it is the natural resources of that far distant state which enables her citizens to sit in their smug complacency.

Mines of Nevada, Utah, Montana and Colorado are emptied of their wealth, never to be reimbursed, and the profits go to residents of other states.

Insurance—fire, life and casualty—are much-needed parts of our business life, yet New York, Hartford and Baltimore

are foolish to lay claim to the prosperity of these institutions.

Boston is the center of our wool market, and yet the Boston "Common" cannot take the place of New Mexico, Arizona and Utah as a sheep pasture.

Centralization of business in certain centers is a natural growth and economically sound. Surplus funds gravitate to certain cities; industries develop where power is cheapest or raw material nearest at hand. The Federal Constitution, at the beginning, refused to curb domestic business relations and would not allow states to set up tollgates at state lines.

States do not own the corporations or the individuals in their business relations. There is not a single large city in the entire country which secures its prosperity exclusively from the citizens who live in the same state in which that city is located. The poorest state helps to enrich the richest state.

That is a false theory which makes the claim that states contribute to the Federal Treasury. Federal funds should go for Federal needs, collected from all who have and expended so that all may have again.

Practical Forms of Cotton Staple Standards Issued.

Decision to issue practical forms for 17 lengths of staple in American upland cotton and 4 lengths of American Egyptian cotton has been announced by Secretary of Agriculture Jardine in an amendment to the order establishing official cotton standards of the United States for length of staple. The amendment becomes effective August 1, 1926.

The 17 lengths of staple in American upland cotton are: $\frac{3}{4}$ inch, $\frac{7}{8}$, $\frac{15}{16}$, 1, $1\frac{1}{32}$, $1\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $1\frac{7}{8}$, $1\frac{15}{16}$, $1\frac{1}{2}$, $1\frac{11}{32}$, $1\frac{1}{8}$ and $1\frac{1}{2}$. The 4 lengths of staple in American Egyptian cotton are: $1\frac{1}{2}$, $1\frac{15}{16}$, $1\frac{3}{4}$ and $1\frac{3}{4}$ inches.

The Department of Agriculture points out that heretofore the lengths of American upland cotton in 32ds of an inch and the $1\frac{15}{16}$ -inch length of American Egyptian have not been represented by type samples. The practical forms for these lengths of staple will be ready for sale by the department soon after January 1, 1926.

As to the question of "character" of cotton in relation to the staple standards, over which there has been some misunderstanding in the trade, the department has issued the following statement:

"The obvious purpose of the original order issued October 25, 1918, establishing staple standards was to make the inch rule the standard of length. No departure has been made from this purpose in the amendment. Physical representations of the standards have been issued and distributed from time to time to facilitate their interpretation. As these types represent length only, it has been believed that differences in the character of cotton used in their preparation might lead to some difficulties in their application.

"To remove the possibility of such difficulties, the department invited leading organizations of cotton growers, merchants and spinners to send representatives to Washington July 27 last to collaborate in a decision as to the proper character of the cotton to be used through the range of the length standards. Cotton of normal, uniform character and medium body was selected, and this character is to be maintained in all issues of the new length types.

"While the new types, like those at present in use, will officially represent length only, it is believed that the matter of 'character' has been well taken care of and that the usefulness of the staple standards has been greatly increased."

The city of Staunton, Va., W. F. Day, city manager, has awarded contract to the Wilson Co., Charlottesville, for the construction of a 3,750,000-gallon reservoir for the North River extension of the Staunton water-works.

Announcement of a Remarkable Gas.

New York, September 20.—Announcement of the development of a new process for the manufacture of non-poisonous, heating and illuminating gas having twice the heat value and candle power of ordinary domestic gas, and manufactured at a cost of less than half the cost of making carburetted water gas, has been made by the Gas Bond & Share Corporation of America through its president, Col. E. E. Garrison. This new process is the invention of Orestes U. Bean, inventor of the Bunsen furnace and one of the foremost combustion and steam-boiler experts in the country.

The Bean process differs from any process hitherto developed for manufacturing illuminating gas, according to Colonel Garrison, because it eliminates the low heat value carbon-oxygen combinations which form a large percentage of ordinary gas, and leaves only the hydro-carbons, rich in illuminants and methane, and free hydrogen.

That the gas produced is free from poisonous CO and contains more than 1000 British thermal units per cubic foot is alone considered by technologists and engineers who have tested it to justify its inventor's claim to a discovery of far-reaching significance, but the low cost of producing it, these experts state, further commends it to the attention of industry. The low cost of production is described as possible because in the manufacture of the gas only the cheapest grades of heavy oils need be used, such as refinery residuum, tars and "still bottoms," and a liberal quantity of gasoline containing 40 to 50 per cent ethylene is extracted from it. These heavy oils are vaporized in a column of superheated steam under automatic temperature and pressure regulation, with the result that a gas the equivalent of natural gas is produced, the only difference being that the Bean process gas is richer in illuminants.

The Bean process has been developed in a commercial size plant at West Babylon, N. Y.

Proposed \$7,000,000 Gulf Coast Development.

Gulfport, Miss.—Plans are being drawn by Benjamin H. Marshall of Chicago for the proposed \$2,000,000 Edgewater Gulf Hotel to be erected on the Gulf coast by Chicago and other interests. The site of the new hotel contains 600 acres, located about halfway between Gulfport and Biloxi and about 16 miles from Pass Christian. The structure will have 400 guest rooms, and will be erected by Mr. Marshall and J. W. Billingsley of New Orleans. William M. Dewey, manager of the Edgewater Beach Hotel in Chicago, will be one of the owners of the Edgewater Gulf Hotel and will become its operating head.

In addition to the hotel, promoters of the project plan to construct an 18-hole golf course and develop a subdivision to cost \$5,000,000, all work to be completed by January 1, 1927. Among those interested in the project are Mr. Marshall, Mr. Webb, Mr. Billingsley, John T. Connery, Chicago; Meyer Eisenman, New Orleans; Capt. Ben McGlarathy, owner of the Belmar Hotel, which will be razed to make way for the new structure; J. A. Jagoe, Gulfport, and others.

New Courthouse and Jail.

Orlando, Fla.—Exterior plans for the new courthouse and jail building to be erected here by Orange county have been approved by the building committee, consisting of L. L. Payne, chairman; S. S. Sadler and Dr. M. B. Swift, all members of the board of county commissioners. This committee has been aided in its work by a committee named by the Orlando Bar Association, including Judges C. O. Andrews, W. L. Tilden and Frank A. Smith. The structure will be five stories high, provision being made for the accommodation of the jail on the top floor. Murry S. King of Orlando is the architect.

Variety and Production of Southern Minerals.

Of 87 minerals produced in the United States listed by the Geological Survey in 1923, the South produced 42, and for 34 of these products, or 40 per cent of the total minerals produced in the country, the leading, or next to the leading, producing state is in the South. The aggregate value of the South's mineral output in 1923 was \$1,645,886,000, or 27 per cent of the country's total, and over four times the value of its production in 1910. In 1900 the South was producing only 11 per cent of the country's total output.

AGGREGATE VALUE OF THE MINERAL PRODUCTION OF THE SOUTH, BY STATES.

States	1910	1922	1923
Alabama	\$47,751,100	\$61,723,000	\$82,496,000
Arkansas	5,350,705	31,419,000	41,954,000
Florida	9,284,705	10,908,000	12,558,000
Georgia	6,048,253	11,120,000	14,300,000
Kentucky	21,512,982	158,701,000	148,854,000
Louisiana	10,119,993	75,519,000	61,199,000
Maryland	15,440,207	14,905,000	21,190,000
Mississippi	840,152	1,600,000	2,163,000
Missouri	52,640,054	62,403,000	79,199,000
North Carolina	2,616,131	7,268,000	10,021,000
Oklahoma	32,988,865	369,070,000	398,858,000
South Carolina	2,021,371	2,414,000	3,550,000
Tennessee	21,396,784	35,146,000	44,185,000
Texas	18,383,451	249,604,000	264,232,000
Virginia	18,224,987	38,551,000	48,052,000
West Virginia	105,058,311	358,772,000	413,075,000

Total \$369,678,060 \$1,489,123,000 \$1,645,886,000

No other section of the country has so vast and varied a

supply of the basic minerals as are to be found in the Southern states. The development of the mineral industry of the South is clearly illustrated by the great increase in production since 1910. New fields and new products are constantly being found which offer further expansion of the mineral industry and the establishment of chemical industries utilizing the great undeveloped deposits of raw materials existing throughout the South. Not alone does this section stand high in resources and production of coal and petroleum, but it produces a high percentage of many other minerals.

The South is now producing 98 per cent of the country's bauxite and barytes, 45 per cent of the country's asphalt, 35 per cent of the chromite, 40 per cent of the raw clay, 31 per cent of the coal, 42 per cent of the feldspar, 37 per cent of the fluorspar, 93 per cent of fuller's earth, 40 per cent of the graphite, all of the ilmenite, 44 per cent of the lead, 28 per cent of the lime, 40 per cent of the calcareous marl, over 60 per cent of the mica, 62 per cent of the natural gas, 99 per cent of the carbon black, 70 per cent of the natural-gas gasoline, one-half of the petroleum, 99 per cent of the phosphate rock, all of the titanium minerals (rutile), all of the sulphur, 54 per cent of the zinc, and a goodly portion of many other minerals which this country produces.

CLASSIFICATION OF SOUTH'S MINERAL PRODUCTION AND PERCENTAGE OF COUNTRY'S TOTAL OUTPUT.*

Product.	1922.		1923		Per Cent Country's Production.
	Quantity.	Value.	Quantity.	Value.	
Aluminum	.....	.....	.....	.....	..
Antimony Ore (tons).....	20	.....	40	\$800	..
Asbestos (tons).....	.....	.....	158	5,193	70
Asphalt (tons).....	530,000	\$4,900,000	624,184	6,094,803	45
Barytes (tons).....	140,000	1,014,289	200,555	1,565,521	98
Bauxite (tons).....	297,210	1,914,140	516,433	3,122,555	98
Bromine (pounds).....	117,931	12,147	140,060	20,863	16
Calcium Chloride (tons).....	6,121	63,442	10,607	62,376	24
Cement (barrels).....	12,293,737	22,109,173	14,630,559	27,506,040	11
Chats (tons).....	1,141,159	175,000	1,218,180	185,000	..
Chert	.....	.....	.....	.....	..
Chromite (tons).....	113	3,302	80	1,840	35
Clay, raw (tons).....	1,066,478	3,785,722	1,375,757	5,097,447	40
Coal (tons).....	165,620,282	481,825,000	202,106,793	536,803,000	31
Coke (tons).....	6,298,153	31,300,000	8,930,183	46,850,000	16
Copper (pounds).....	15,048,261	2,031,515	18,990,728	2,791,637	2
Diatomaceous Earth.....	.....	.....	.....	.....	..
Emery	.....	.....	.....	.....	..
Feldspar (tons).....	58,967	352,007	60,372	377,646	42
Ferroalloys (tons).....	.....	.....	19,390	1,424,130	3
Fluorspar (tons).....	52,484	970,059	45,441	945,402	37
Fuller's Earth (tons).....	135,217	2,230,010	138,000	2,100,000	93
Garnet, abrasive.....	.....	.....	.....	.....	..
Gems and Precious Stones.....	.....	.....	.....	.....	..
Gold (ounces).....	495	10,221	459	9,475	..
Graphite, Crystalline (pounds).....	577,940	25,777	1,570,900	79,754	40
Grindstones and Pulpstones (tons).....	2,896	203,016	7,017	351,855	15
Gypsum (tons).....	465,446	3,735,116	634,225	4,485,919	13
Ilmenite (tons).....	5,181	91,620	6,270	125,000	100
Iron Ore (tons).....	5,591,255	9,702,311	7,622,232	17,592,481	11
Pig Iron (tons).....	3,230,901	68,000,000	4,393,249	106,500,000	11
Lead (tons).....	242,142	26,635,621	237,988	33,318,362	44
Lime (tons).....	1,007,330	7,971,881	1,139,076	9,987,821	28
Manganese Ore (tons).....	3,177	43,833	6,470	144,518	20
Manganiferous Ore (tons).....	1,508	6,000	36,376	155,645	2
Marl, Calcareous (tons).....	29,071	58,337	39,547	96,215	40
Mica, Scrap (tons).....	4,725	82,888	5,005	65,764	62
Mica, Sheet (pounds).....	596,762	230,427	1,130,283	188,317	65
Mineral Water (gallons).....	6,996,180	634,538	7,921,891	780,190	18
Mineral Paints, Zinc and Lead.....	.....	.....	.....	.....	..
Carbon Black (pounds).....	66,369,212	5,695,518	134,129,196	11,340,348	99
Natural Gas (M cubic feet).....	469,708,600	123,091,628	629,704,100	124,873,000	62
Natural Gas Gasoline (gallons).....	380,504,986	52,467,840	575,899,000	53,121,000	70
Oilstones	.....	.....	.....	.....	..
Pent (tons).....	900	10,500	.....	.....	2
Petroleum (barrels).....	332,347,000	561,586,000	367,916,000	571,946,000	50
Phosphate Rock (tons).....	2,413,402	10,463,154	2,976,371	11,400,336	99
Pyrites	.....	.....	.....	.....	..
Quicksilver	.....	.....	.....	.....	..
Rutile (tons).....	310	.....	270	.....	100
Salt (tons).....	362,040	1,940,965	390,750	2,092,958	5
Sand and Gravel (tons).....	21,150,795	14,960,336	33,651,041	22,191,566	24
Silica, quartz (tons).....	.....	.....	2,119	42,125	10
Silver (ounces).....	936,356	936,356	1,094,888	897,808	2
Slate	.....	.....	.....	.....	..
Stone (tons).....	15,498,250	25,930,276	21,077,920	34,365,093	20
Sulphur (tons).....	1,343,624	22,000,000	1,618,841	26,000,000	100
Sulphuric Acid.....	.....	.....	.....	.....	..
Talc and Soapstone (tons).....	30,718	813,890	33,962	1,091,986	17
Tripoli	.....	.....	.....	.....	..
Zinc (tons).....	241,697	27,553,458	277,004	27,672,504	54
Zircon (tons).....	10	1,150	153	21,420	100

*Incomplete for most of the products listed, as production figures are not given separately for many of the Southern states.

\$13,000,000 Power Development.

Two big cranes have been purchased by the Alabama Power Company, Birmingham, for the power-house under construction at Cherokee Bluffs, on the Tallapoosa River, one an overhead crane of 200 tons capacity and the other a gantry crane of 50 tons capacity. The company advises the MANUFACTURERS RECORD that the cranes were purchased from the Cleveland Crane & Engineering Co. of Wickliffe, Ohio.

As previously detailed, the Alabama Power Company has under construction at Cherokee Bluffs a hydro-electric project which will cost in excess of \$13,000,000. Rapid construction progress is now being made and it is expected the plant will be ready for operation by the middle of next year. More than 15,000 acres of the immense lake have been cleared and all cofferdams completed. The lake will have a shore line of 700 miles and will occupy a large part of three counties.

A design has been accepted for the proposed power-house which calls for buff brick and steel construction in approximate quantities of 500,000 brick and 700 tons of steel. These materials do not include materials to be used in the construction of the dam, which is regarded as the outstanding feature of the development.

Three giant turbines have been ordered for the power-house, and these are expected to be delivered early in 1926. The company will expend approximately \$1,000,000 for sanitation work in order to safeguard the health of hundreds of workers on the project.

Daytona Improvements at \$1,650,000.

In a letter to the MANUFACTURERS RECORD, H. B. Cassin, city manager of Daytona, Fla., advises that the city contemplates improvements to cost approximately \$1,675,000, including the following: New water-works, \$500,000; new sewer-treatment plant, \$225,000; street paving, about \$650,000; extension of present distribution system of water-works, \$100,000; new sanitary sewer, \$150,000, and installation of fire alarm telegraph and police call to cost approximately \$50,000.

These items have been approved by the city commission and Mr. Cassin has been instructed to proceed with preliminary surveys for the sewerage and water systems. All work will be done by the city engineering force, advised by a consulting engineer. The commission will endeavor to have an election in October on a bond issue for the projects with a view to beginning construction by January 1.

Record Portland Cement Output.

Production and shipments of Portland cement during August were the highest ever recorded for any month in the industry, reports the Bureau of Mines. Production shows an increase of more than 8 per cent and shipments of 9 per cent over August, 1924. Portland cement stocks, though continuing a seasonal decline, are about 12 per cent greater than in August, 1924. The total shipments of cement in June, 1925, were 17,501,000 barrels, 18,131,000 barrels in July and 18,383,000 barrels in August, compared with 15,036,000 barrels shipped in June, 1924, 16,614,000 barrels in July, 1924, and 16,855,000 barrels shipped in August, 1924.

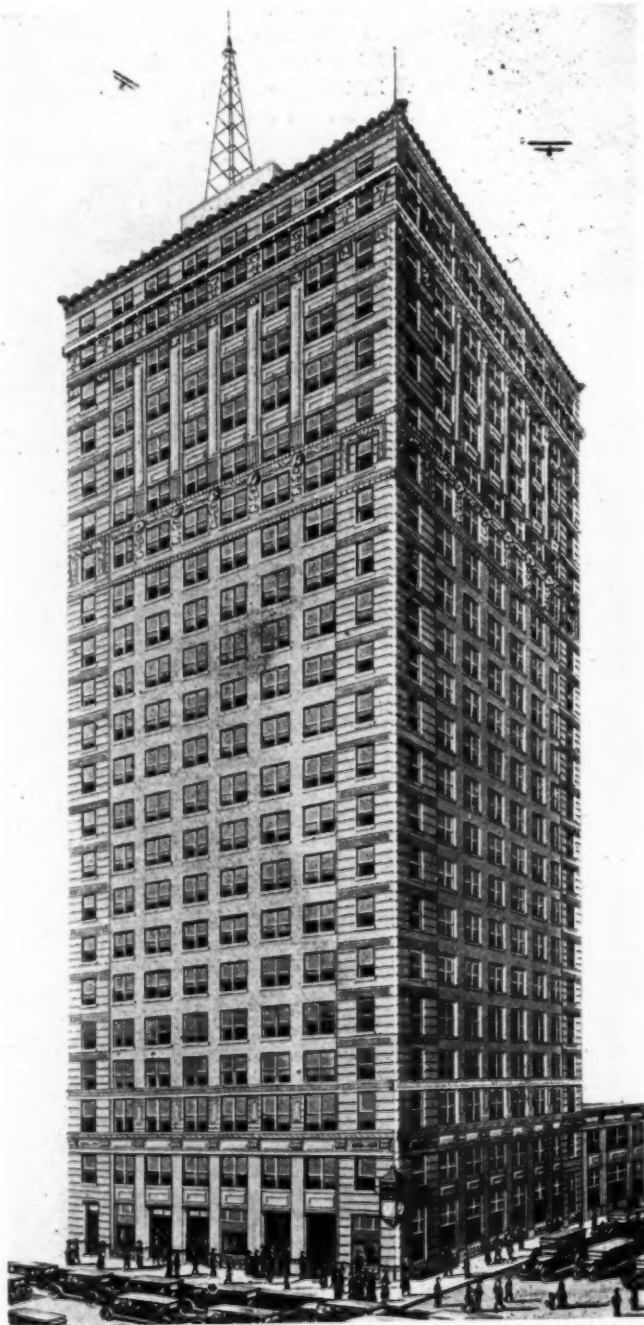
More than 3,750,000 barrels, or 20 per cent, of the total cement shipments went into the South.

Bids Wanted on \$4,139,000 Bonds.

St. Louis, Mo.—Sealed proposals will be received until September 30 by Mayor Victor J. Miller and Louis Nolte, comptroller, for the purchase of \$4,139,000 4½ per cent public buildings and improvement serial gold bonds of the city of St. Louis. The bonds are a portion of \$75,372,500 authorized, and will be issued in denominations of \$1000 each, to be dated October 1, 1925.

To Erect Five Stories on 17-Story Building.

Contract has been awarded by the Houston Building Co., Houston, Texas, to the American Construction Co. of that city for the erection of five additional stories to the Second National Bank Building. A roof garden will be provided and additional elevators installed. Plans and specifications have



SECOND NATIONAL BANK BUILDING, HOUSTON.
WITH ADDITION.

been prepared by the Southwestern Engineering Co. of Houston. An accompanying illustration presents a view of the building as it will appear when the additional stories have been completed.

Architect for \$500,000 Hotel.

Lake Wales, Fla.—Fred A. Bishop, Richmond, Va., has been commissioned to prepare plans and specifications for the \$500,000 hotel to be erected here by the Lake Wales Hotel Corporation. The building will be 10 stories high, of fireproof construction. H. A. Thullbery of this city is chairman of the building committee.

A New Form of Farm Credit and Crop Insurance Adopted by Sugar-Cane Planters of Louisiana.

By D. W. PIPES, JR., Houma, La.

For more than 125 years sugar cane has been grown in Louisiana, and in south Louisiana it is the chief crop. Literally, thousands of people have an interest in sugar-cane production as cane growers, sugar-factory owners and workers, syrup and molasses manufacturers and, more or less, whole communities in the so-called sugar belt, consumers in distant sections and suppliers of raw materials, tools, implements, etc. Recently quite an industry has been started around the utilization of bagasse (that is, the fiber after the juice has been crushed out) as a building and insulating board, and it is now being shipped to many points in the land.

The annual crop in normal years has averaged in value, with by-products, around \$50,000,000. It is one of the very few agricultural crops in the United States in which a large part of the producers attempt to put their product into final form for the consumer. Many small, independent mills make syrup, others clarified sugar and molasses and still others make granulated sugar to go direct to the consumer.

In the early development of the United States, Louisiana did much to furnish the nation with sugar. In 1855, Champonier, a statistician, reports that the United States consumed 379,197 short tons of sugar. Louisiana, Texas and Florida produced 185,145 tons of this total, the Louisiana crop amounting to 127,000 tons. The consumption of sugar in the United States today is between five and six million tons. Louisiana and the domestic beet industry, combined, furnishing about 1,250,000 tons of this total.

The growing season of sugar cane in Louisiana is short and frosts occur. In the tropics there are no frosts and labor is cheaper. Almost from the beginning of our country, it was decided to have a domestic sugar supply; therefore, a tariff has more or less constantly remained on sugar. This tariff also has always been a consistent, easily collected revenue producer. Unfortunately for the domestic sugar industry, the tariff has been the football of politics. In recent years the domestic beet sugar production has started, its development being hampered by uncertain tariff. These interests, too, must have tariff protection in order to exist against conditions in the tropics. It has been found that sugar beets make a good rotative crop with grain. The Western beet farmers are getting much relief from sugar beets. The Louisiana farmers know that, given a chance, the United States can furnish an ample market for their sugars, syrups and molasses. Prices of sugar in the United States are largely governed by the production in Cuba. During the World War capital poured into Cuba and the volume of production there went up by leaps and bounds. The United States gets from Cuba about 2,500,000 tons of sugar a year. At present, then, we are largely dependent upon foreign countries for this essential food. Coffee and rubber prices indicate clearly today the necessity of having a domestic supply, if possible.

During the last three years Louisiana has been faced with low prices for its cane products. In addition, there occurred several extremely unfavorable growing seasons. In 1923 Louisiana sugar planters keenly realized they were in a very precarious financial condition. Like many other agricultural communities we found our credit virtually gone. New Orleans banks were suffering from frozen loans and frankly stated they did not like our kind of paper. Insurance companies were making very few mortgage loans. Country banks were

loaded to the guards and could not make further advances. Planters were without credit. Prices for sugar (which govern the price of sugar cane) were declining and the crop of 1923 was very poor.

From this more or less hopeless-looking status a beginning was made in the spring of 1924 toward a new form of crop credit. Through utilization of facilities of the Federal Intermediate Credit Bank, this bids fair to be probably the soundest system of crop credit for the sugar belt which has ever existed. We found that the Federal Intermediate Credit Bank, a subsidiary of the Federal Land Bank, had authority to make crop loans, and the officials of the Federal Intermediate Credit Bank in Washington, as well as those of the branch in New Orleans, were most desirous to help in the emergency. Roughly, the following plan was devised:

The Houma Agricultural Credit Association, a local non-profit-making corporation of planters, business men and local bankers, was formed and arrangements were made with the Federal Intermediate Credit Bank of New Orleans to discount our paper. The planters had a very limited amount of cash left. The difficulty was to convert the crop lien, chattel mortgage and endorsements into sound, negotiable paper. It was necessary so to arrange that in the event of a crop failure there would be some chance left the farmer to continue his operations, without taking away from him his tools, implements and animals. After many trials and tribulations, a policy of insurance to give additional protection was drawn up with the Hartford Fire Insurance Company through its Atlanta office. This policy guarantees that each farm will produce a sugar-cane crop of a fixed value annually. Each borrower must take out an insurance policy, the amount of insurance varying within fixed limitations and the acreage being checked by the company's inspector. With this added security, protection was assured.

There are a number of points relative to the making of the loan which are economically sound. To begin with, nearly every borrower is known to the local board; therefore, they can pass upon his general fitness as a farmer and his character. Each borrower must take 10 per cent cash stock in the local credit association. This secures first his individual loan, and all of this stock is pledged to the Federal Intermediate Credit Bank. So each borrower in a way becomes liable to the extent of 10 per cent of his loan as an endorser for all other borrowers. At the end of the year this stock is transferable or can be redeemed. Each borrower puts up 2 per cent of his loan as a loss contingent fund, and, barring liability, this is returned at the end of the year. No money is advanced except for actual operating crop expenses. Such items as taxes, extensive repairs and improvements must be secured elsewhere. Each borrower must, with his loan application, file a budget showing his prospective crop acreage and proposed expenditures by months. The local association, with the approval of the New Orleans branch of the Federal Intermediate Credit Bank, fixes a limit for crop loans. This limit is approximately 50 to 60 per cent of the reasonable expected crop value. No borrower can obtain a loan in excess of 20 per cent of the local association's capital, and the Federal Intermediate Credit Bank will discount paper to the extent of ten times the local association stock.

The borrower must furnish a crop mortgage and a chattel mortgage on tools and implements and must agree to abide by any rulings of the local board as to proper crop maintenance. The local association maintains an inspector who

makes a report from time to time on the various crops on which money is loaned, and also maintains an office, keeping clear books and records. The association has arranged also the joint purchase of certain commodities like fertilizer, for cash and in volume, for which it charges a small fee. It also passes around any information which it considers of general interest.

Operating expenses for the local association are obtained from interest secured from capital investment in extra sound paper, the fee charged on joint purchases and a small interest difference between discount rate and charge rate. So a loan figured on 50 to 60 per cent of the expected money value of the crop, secured by crop lien, chattel mortgage and individual 10 per cent stock of each borrower, is made. Such a note then is presented for discount to the Federal Intermediate Credit Bank. If that approves, the borrower applies for crop-credit insurance. Every loan must carry a certain amount of insurance—no loan more than 75 per cent of the loan basis on sugar cane and none less than 50 per cent.

This crop credit insurance stands somewhat to the borrower as a guarantee of another chance. With a very sub-normal crop, the insurance company would not have any liability. For instance, with only a 50 per cent crop basis figured as a loan basis, then three-quarters of 50 per cent indicates 37½ per cent crop before there would be any liability on the insurance company. As a matter of fact, it is even lower, as there is a seed-cane exemption clause which lessens the liability; also, as the company guarantees a fixed money return, a short crop and a fair price or a fair crop and a small price would let it out. Nevertheless, in the event of a catastrophe it gives protection, and another chance to the borrowing planter and protection for the discounting bank.

The average farmer will cling to his home and farm and chance to work with extreme tenacity. Nationally, he is our greatest optimist, and all over this great country today, whether as a producer of wheat, corn, cotton or sugar cane, he is trying to maintain his independence and separate entity—producing, buying his supplies and selling his products in a market more or less organized.

All in all, there was loaned through our association last year somewhat over \$600,000. The Intermediate Credit Bank of New Orleans was reimbursed 100 per cent on the face of a half crop.

It is surprising how the hope for a coming good crop will make a farmer use any and every means to dig up a few dollars to pay back his loan and reinstate his credit for another trial for the good crop to come.

This year there are some million and a half dollars being loaned, and the system has been adopted in other parts of the sugar belt. Of course, this is only a small amount of the total money put out for the present sugar crop; nevertheless, securing it has aided others to secure their advances in different ways.

The system can be improved in many ways. Fundamentally, however, it is sound. The present crop outlook holds better promise of production. There is a general stimulation—better appreciation of co-operative work. In the face of low prices and short production of the last few years, the planters are studying their agricultural problems, seed selection, insects, pests and cultural methods. New varieties of cane, better adapted to Louisiana conditions, have recently been secured, for there is full realization that credit is fine, but earning capacity to maintain it must be secured.

"Let us hope" (the farmers' slogan) that again the Louisiana sugar industry may take its place as a big factor in supplying the United States with a domestic syrup, molasses and sugar supply. From the practical tryout of this new type of agricultural credit and insurance a start and an example and help for other agricultural sections have been made which may ultimately be more used.

Telephone Company Plans \$4,500,000 Building.

Dallas, Texas.—Plans are being considered by the Southwestern Bell Telephone Company of Texas, F. M. Hoag, manager, for the erection of a \$4,500,000 building here. Application has been made by the company to the city commission for authority to take over the franchise of the Dallas Telephone Co., and it is stated that should this authority be granted the erection of the proposed building will be started within a short time.

It is understood that plans for the building call for construction in three units, the first to be about 10 stories, extending 200 feet on Wood street and 100 feet on Akard street, with a foundation sufficiently heavy to carry 10 additional stories. The cost is estimated at \$1,500,000. The second unit will be located on the site of the present exchange at Jackson and Akard streets and will also cost \$1,500,000, while the third unit will be erected on top of the first two at a similar cost.

Taxation Absurdity.

By A. J. Frame.

The publication of the income-tax returns is so misleading as to the real facts that it seems absurd to publish them.

It is well known that those returns show only a fraction of the facts as to incomes, because capitalists who own stock in corporations which pay the tax, to avoid double taxation, are lawfully allowed to deduct them from the returns when made up by the taxpayer. It is therefore, with the vast number of stockholders in corporations, including capitalists holding, say, 15 billions of non-taxable securities, in effect a farce to publish individual lists. Perhaps, when the illusion is dispelled, the inquisitors may find the tempest an empty cry.

General tax lists are open to the public, but who cares? It seems the rainbow chasers will get that pot of gold when they work and save it. Funny, isn't it?

To Vote on \$3,319,000 of Bonds.

St. Petersburg, Fla.—A resolution naming November 17 as the date of an election on a \$3,319,000 municipal bond issue in this city has been passed on its first reading by the city commission. Improvements described in detail in the resolution calling the election include extension of water-works, gas, power plants, concrete bridges, sewers, street railways, improving Mirror Lake, building car barns, paying mortgage, building First avenue loop extension and making other improvements. The bonds will bear an interest rate of 6 per cent and will mature in 30 years.

Promoting Irrigation and Power Dam.

Lubbock, Texas, September 19—[Special.]—Business interests of Lubbock and landowners of this section are promoting the construction of a dam across Yellow House canyon near here for storing water for irrigation and power purposes. The project is feasible, according to H. N. Roberts, engineer. The proposed dam will be 47 feet high and will form a storage reservoir covering an area 27 miles long and one-half mile wide. In connection with the irrigation of a large body of land the water supply will also be sufficient to operate a hydro-electric plant, it is stated.

Raising \$25,000 for Advertising.

Johnson City, Tenn.—According to an announcement by the Chamber of Commerce of this city, a fund of \$25,000 will be raised for advertising the natural resources and industrial opportunities of Johnson City. The fund is being raised by popular subscription.

Remarkable Results of Energy, Initiative and Vision.

ASHEVILLE USING ALL THESE AND WITH A PUBLICITY TAX ON ALL PROPERTY SETS AN EXAMPLE FOR EVERY CITY IN THE COUNTRY.

Asheville, N. C., September 21—[Special.]—Constantly and consistently for 25 years Asheville has been advertising to the outside world the attractions and advantages of western North Carolina. And during the same period increasing numbers of progressive citizens have been mobilized in concerted efforts to promote the social and economic advancement of this region. Asheville and the whole section of which it is the center and metropolis have grown and prospered. The results of intelligent planning and concentration of purpose are manifest on every hand. The evidences of co-operative endeavor are apparent everywhere in this "Land of the Sky."

For many years the appropriations for advertising were small, but the campaigns, supported by united constructive effort at home, produced results far beyond the expectations of the pioneers in the field of community publicity. Activities were suspended during the World War period, but renewed with the return to normal conditions in the affairs of the nation.

Realizing that the benefits of advertising are distributed over the entire community, and that every property owner has an immediate return in the enhancement of values, the leaders in the movement proposed a municipal tax for publicity purposes. The idea was approved by the city authorities. An enabling act was drafted and passed by the state legislature. The proposal was submitted to the voters of Asheville and ratified by an overwhelming majority. The law provides that the City Commissioners may levy a special tax of not less than one-fortieth of 1 per cent and not more than one-tenth of 1 per cent on all taxable property. It is further provided that this fund shall be used exclusively for advertising, and that it shall be administered by the Asheville Chamber of Commerce under the joint direction of the City Commissioners and the executive board of the Chamber of Commerce.

In 1924 the publicity tax levy was increased to the maximum as one of the major items in a five-year Program of Progress embracing 83 definite projects and activities. One hundred and forty-two citizens participated in the preparation of the program, which was organized and co-ordinated by a central committee of 25 community leaders drafted for the job by the Chamber of Commerce. A recent report reviewing the first year shows actual progress on every item in the program and a number of important projects accomplished or nearing completion. This program has attracted so much attention elsewhere that delegations from several other states have visited Asheville for the purpose of studying Chamber of Commerce methods.

The advertising budget for the five years is \$500,000. The revenue from the municipal tax the first year is approximately \$72,000. The remainder of the annual appropriation was subscribed by the hotels, banks and realtors. The operating budget of the Chamber of Commerce, \$52,000, was subscribed by member firms and individuals in a five-day campaign which reached a successful conclusion at noon on the third day of the allotted time.

The national advertising campaign was inaugurated on January 1 of the current year. Reviewing the first eight months' operations, the officers of the Chamber of Commerce have disclosed a number of very interesting and inspiring facts.

Asheville advertising has appeared in 342 magazines, newspapers and trade journals. Publicity, convention and information bureaus have been organized and are operating effi-

ciently. One hundred and twenty-eight members of the Chamber of Commerce participated in the first annual Goodwill Tour, visiting important cities of the Carolinas, Georgia and Florida on a chartered train of Pullmans equipped with every modern convenience for traveling. The Chamber of Commerce conducted an exhibit of products and resources which filled 1600 feet of space on the main floor of the Southern Exposition in New York. Representatives are now conducting exhibits in the travel and resort departments of the Canadian National Exposition at Toronto and the Western Ontario Fair at London. Exhibits are planned for other important fairs and expositions. An information service car has just completed a tour of the North, East and middle West, posting direction signs on 6300 miles of national highways, distributing literature and making personal calls upon prospects who have responded to other advertising.

Fifty-eight conventions and numerous special parties have been entertained by the convention bureau. Hundreds of columns of news material and pictures have been distributed by the publicity bureau. The information bureau is answering by direct mail an average of 5000 inquiries every month. A special information staff in the office is required to answer personal calls by visitors coming in from every state in the Union. During one week in August motorists registered from every state in the Union, four from Canada and two each from Cuba and Mexico. Foreign inquiries include letters from homeseekers and travelers in Alaska, Hawaii, the Philippines, Australia, Cuba, Porto Rico, Mexico, Central and South America and eight European countries. Three prospective visitors have written from South Africa en route to America on a world tour. Eighty thousand pieces of literature describing Asheville and western North Carolina have been distributed and a similar quantity will be required to complete the year.

Results are carefully tabulated and an efficient follow-up system is in operation.

From a recent analysis of direct-mail inquiries it was discovered that 22 per cent of the people writing from New England are homeseekers. In the middle West the ratio of homeseekers is 32 per cent; in the Mississippi Valley, 36 per cent; Pennsylvania, 29 per cent; Florida, 47 per cent; the Pacific Coast, 74 per cent; the Southwest, 62 per cent. Similar studies are being made to determine the ratios for industries, farmers, business enterprises, vacationists, investors and other groups.

During the period of the campaign enormous increases have been recorded in both motor and railroad travel into western North Carolina. The results are not confined to Asheville, but are apparent in every city, town and county in this section. It is safe to say that actual and important results can be shown in every town and village within 50 miles of Asheville. Over 600,000 visitors came into western North Carolina during the spring and summer months.

Drawing inspiration from the gratifying success of the first year of intensive effort, the leaders of the community are enlarging the scope of activities, adding new projects to the program and preparing for a more extensive campaign in 1926. Splendid progress has been made in the development of commerce and industry. A survey now in progress will be made the basis of a sales campaign designed to bring new industries into western North Carolina, and special effort will be made to interest the industries for which advantages are available in water-power, raw materials, labor, transportation and proximity to markets. No artificial inducements will be offered, and not every type of industry will be invited. Ninety-

nine per cent of the people of this region are native Americans and 92 per cent are white. No disturbing elements have entered the mountains and none will be encouraged.

New impetus has been given to the settlement of idle lands and the development of diversified agriculture. Summer schools, assemblies and educational institutions are finding it necessary to largely increase their facilities. Transportation and public-utility companies have been forced to completely revise all of their plans for extension in an effort to keep pace with present growth and to provide for the greater expansion now definitely in prospect for the future. The city of Asheville is building a new water system designed to provide an adequate and dependable supply for 400,000 people.

Attracted by Asheville's enterprise and by the vast resources of this region, men of vision and wealth have made large contributions to the development of western North Carolina. Without exception their confidence has been justified and their investments are increasingly profitable.

The mountain village that was Asheville 25 years ago has grown into a thriving, cultured, cosmopolitan community of more than 60,000 permanent residents. The population has more than doubled in less than six years. The volume of business reflected by bank transactions has increased nearly 100 per cent since 1921. All the immediate territory has made similar progress. And, in the opinion of conservative builders, the movement is just beginning.

Again, and very impressively, the value of organized vision and initiative has been demonstrated.

A Correction of Press Dispatches.

C. K. LEITH, University of Wisconsin.

On returning to Madison I find a copy of the MANUFACTURERS RECORD, containing an editorial on my discussion of Japan's war strength. I appreciate the kind tone of this editorial, and would have no quarrel with the conclusion, if I had made the statement you quote.

As a matter of fact, at the Williamstown Institute of Politics I did not make the statement that "Japan cannot go to war because she lacks steel." I presented the salient facts of production and reserves of the principal commercial minerals of the Far East, and reached the conclusion that the mineral resource situation does not warrant the hope that a first-class industrial power can develop—particularly that the coal and iron resources are not of such quantity, grade and distribution as to allow industrial developments of the kind and scale of the United States, England and Germany; that there might be important industrial development in the Far East, but that it must necessarily take somewhat other line than that following the "industrial revolution" in England. Finally, that in so far as the ability to wage successfully a first-class war depends upon first-class industrial power of the steel kind, the nations of the Far East, or any combination of them, are seriously handicapped. I had no idea of implying that Japan could not start a war—any nation could.

Sale of Public Utility at Brunswick, Ga.

Announcement was made in New York last week that the Mutual Light & Water Co. of Brunswick, Ga., supplying electric light and power, gas and water to Brunswick, has been sold to William Levering of Philadelphia by the Brunswick Terminal & Railway Securities Co., which owned all of the stock. Samuel C. Steinhardt, president of the latter, is quoted as saying that the directors considered it desirable to put their company in a strong financial position by selling the stock and that this would enable it to hold for higher prices its real estate holdings in and around Brunswick, besides liquidating indebtedness.

Georgia Manufacturers and Child Labor Legislation.

Georgia, the first of the states to reject the proposed Twentieth Amendment to the Constitution, has just passed a new Child Labor law, effective January 1, 1926, which prohibits employment under the age of 14 years in manufacturing industry, forbids employment of children from 14 to 16 years between the hours of 7 P. M. and 6 A. M., prohibits employment of children under 16 years in hazardous occupations, requires certificates showing the age of 14 has been attained, that ability to read and write the English language has been acquired, and that the physical condition for employment is satisfactory.

The Georgia law was adopted in great part through the efforts of the cotton manufacturers of the state, the Act as written being much the work of P. E. Glenn, secretary and treasurer of the Exposition Cotton Mills, Atlanta; George S. Harris, president of the Cotton Manufacturers Association of Georgia and president of the Exposition Cotton Mills, and Lee M. Jordan, president of Gate City Cotton Mills and a past president of the Cotton Manufacturers Association.

Although there were but a score of children under 14 years working in Georgia—through the poverty exemption in the old law—advocates of the proposed Constitutional amendment had denounced the state as hopelessly behind in social legislation, and many newspapers and magazines listed it as the worst of the "backward Southern states," whose delinquency with respect to child protection demanded drastic national legislation. The statement was common that "Georgia has 89,000 child workers between the ages of 10 and 15, most of them employed in the cotton mills," though the total of all the operatives of all ages and both sexes, white and negro, in all the cotton, silk, woolen and knitting mills of the state in 1924 was 55,953, according to the annual report of Commissioner of Commerce and Labor.

Contract for \$750,000 Unit.

Miami, Fla.—General contract has been awarded to the George W. Langford Co. of Miami and Louisville, Ky., for the first unit of an 18-story office and arcade building to be erected here by the Shoreland Company at an ultimate cost of \$2,000,000. This portion of the structure will consist of the foundation and two stories, to cost approximately \$750,000. It will contain two arcades bisecting the ground floor, with space for 40 storerooms and 36 offices. The structure will be irregular in dimensions, having frontages of 75 feet on East Flagler street, 50 feet on Northeast First avenue and 150 feet on Northeast 1st street. Construction will be of steel and concrete, provision being made for the installation of five elevators. Pfeiffer & O'Reilly of Miami are the architects.

Plans to Build 80,000 Horsepower Plant.

Charlotte, N. C.—According to an announcement by Charles I. Burkholder, vice-president of the Southern Power Co. of this city, plans are being considered by his company for the construction of a steam-electric power plant of 80,000 horsepower capacity. The cost of the new plant has not been announced, nor has the location been indicated.

\$225,000 Irrigation Project.

Crystal City, Texas, September 19—[Special.]—Landowners along the Nueces River, a few miles north of here, have formed an irrigation district and have awarded contract to William Bates, Houston, for the construction of a series of three dams across that stream. The project will cost about \$225,000. From the water storage reservoirs it is estimated 14,000 acres of land will be irrigated.

Increased Dairy Production South.

RAPID DEVELOPMENT OF AN IMPORTANT INDUSTRY.

By CRADDOCK GOINS, Milwaukee.

Dairy production figures for 1924 in the Southern states are quite satisfying to all observing the soundness with which dairying is being established in that section. They are particularly gratifying in that they show that the South has stood the acid test of extraordinarily good conditions in general farm crops, a development that usually may be counted upon to discourage dairying in a section where it is in its infancy.

Unusually good cotton and tobacco conditions in the South, however, while somewhat holding back dairying progress, did not prevent that section from showing a good increase in production. The creamery output in the Southern states last year amounted to 132,667,000 pounds, an increase of more than 15,000,000 pounds over 1923, which itself showed an increase of nearly 42,000,000 pounds over 1920. But the period of 1920 to 1923 was when the ravages of the boll weevil made it imperative that Southern farmers turn to the dairy cow to save themselves from complete disaster. Last year, however, the weevil was more or less subdued and many dairy leaders were fearful lest the South slip back to devotion solely to King Cotton.

The increase in the South's dairy production for last year is not shown in figures issued by the United States Department of Agriculture, which, following its usual practice of basing estimates solely upon actual reports received, showed a decrease for the South. But in checking up on these figures from the Government's department the writer discovered discrepancies between the department's estimate and the actual production in some states.

Alabama, for instance, is listed by the Department of Agriculture as having produced 839,000 pounds of butter, which would make a decrease of 3,000,000 pounds under the preceding year's estimate. Investigation, however, reveals that Alabama last year produced approximately 4,000,000 pounds, with two plants alone in that state producing approximately 900,000 pounds. Mississippi is shown by the Government estimate to have produced 5,648,000 pounds of creamery butter, whereas the actual production was about 1,000,000 pounds in excess of that estimate. Georgia is estimated to have produced 1,826,000 pounds, but officials in that state have a record of approximately 4,000,000 pounds.

J. S. Moore, professor of dairy husbandry, Mississippi Agricultural and Mechanical College, says:

"The creameries of Mississippi last year made 6,300,894 pounds of butter. A very large amount of butter still is made on the farms of this state. We can only estimate this amount, but would place it at approximately 15,000,000 pounds."

The last sentence, regarding farm butter production, only goes to show how much of an opportunity Mississippi has for development of commercial creamery production. The 15,000,000 pounds made on the farms last year could be made to stretch into more than 100,000,000 pounds with every farmer giving his attention to good dairy cattle and leaving butter production in the hands of skilled creamery experts.

In the case of North Carolina there was no record that this state produced more butter than estimated by the Government, and J. A. Arey, in charge of the office of dairy extension, Raleigh, was frank to say that the good price for cotton probably will retard the development of his state's dairy industry.

The South's dairying position at this time, while not in keeping with the hopes of its fondest dairying advocates, is

most satisfying when it is remembered that everywhere that dairying has succeeded it always has been in the face of "handicaps" in the nature of occasionally particularly good farm conditions that made farmers give less attention to cows. Wisconsin went through the same travail in the days when Wisconsin farmers hated to think that they would have to give attention to anything but wheat.

The South's gain in ice cream production last year was particularly noteworthy. While the nation as a whole showed a decrease of 9,000,000 gallons, the Southern states, with a production of 25,163,000 gallons, show a slight increase. And reports from Southern ice cream manufacturers thus far in the year indicate that the 1925 production in that section will be probably 20 or 25 per cent greater than last year's.

Georgia will be represented at the National Dairy Exposition in Indianapolis, October 10 to 17, with an attractive booth, similar to the one presented in 1924. Many other Southern states will be represented. Atlanta, Memphis and Louisville are bidding for the 1926 National Dairy Exposition.

Mississippi is making important strides in the direction of dairying development, principally through H. M. Pratt, president of the Northeast Mississippi Prairie Farmers' Co-operative Association, and A. L. Mordt, representative of that association. Mr. Mordt has spread the fame of Mississippi's climate and natural farm advantages throughout Wisconsin. Mississippi is forging rapidly to the front.

Creamery butter production in the South in 1924: Alabama, 4,000,000 pounds; Arkansas, 1,259,000; Florida, 20,000; Georgia, 4,000,000; Kentucky, 12,000,000; Louisiana, 125,000; Maryland, 500,000; Missouri, 56,801,000; Mississippi, 6,300,894; North Carolina, 638,000; Oklahoma, 14,421,000; South Carolina, 527,000; Tennessee, 14,000,000; Texas, 11,996,000; Virginia, 4,614,000; West Virginia, 466,000—total, 132,667,894 pounds.

Piney Point Development, \$25,000,000.

The Wester Estates, Inc., R. H. Wester, president, Tampa, Fla., advises the MANUFACTURERS RECORD that plans have been made to begin the development of the Piney Point properties, estimated to cost more than \$25,000,000 before completion. These properties contain approximately 1200 acres of land on the east shore of Tampa Bay and have one and one-half miles of sand shore line. They are traversed by the Tamiami Trail and the Atlantic Coast Line Railroad, while plans have been made to inaugurate a two-boat ferry service to St. Petersburg. This will be operated by the Bee Line Ferry Company, which will be in a position, it is said, to handle 35 cars each way, or 70 cars per round trip of one and one-half hours.

Improvements to be undertaken in the development will include street paving, curbs and gutters; sidewalks, light and water systems, drainage, golf courses and other facilities. Plans, which have been worked out by George F. Young of St. Petersburg, Fla., landscape engineer, also call for the erection of hotels.

Bids for Opelika-Auburn Highway.

Opelika, Ala.—Favorable action having been taken some time ago by the State Highway Commission for the construction of a road between Opelika and Auburn, it is now announced that construction bids will be received until October 15 by the commission. A survey has already been completed and it is thought that actual work will have been started by the latter part of October.

A New Water Turbine.

The invention and successful test of a water turbine "which makes it possible to produce electricity in almost unlimited quantities from any places in rivers without special construction" is announced by Eduard Suess, a leading engineer of Vienna, Austria, who describes the apparatus to the MANUFACTURERS RECORD through the medium of an article by Ernst Friedmann, his publisher. "On account of an enormous amount of work, I am not personally able to write you in regard to the turbine which I have invented; however, my publisher, Ernst Friedmann, was so kind as to respond to my request to write on this subject and wrote the accompanying article, which found my fullest approval," says Mr. Suess in a letter to the MANUFACTURERS RECORD.

More or less liberally translated from the original in German, this article is as follows:

"Of the various problems which technical science has studied for decades for opening to the world a number of sources of energy—such as the enormous forces liberated by the splitting up of atoms and the energies of sun-rays and of the ocean tides—none has been more important than that of utilizing the mighty forces of running waters. These problems of science are forced upon it by consideration of the demands for the future, for coal reserves are rapidly dwindling and the progressive increase in industrial production necessitates the fulfillment of these prospective demands by the development of new sources of power.

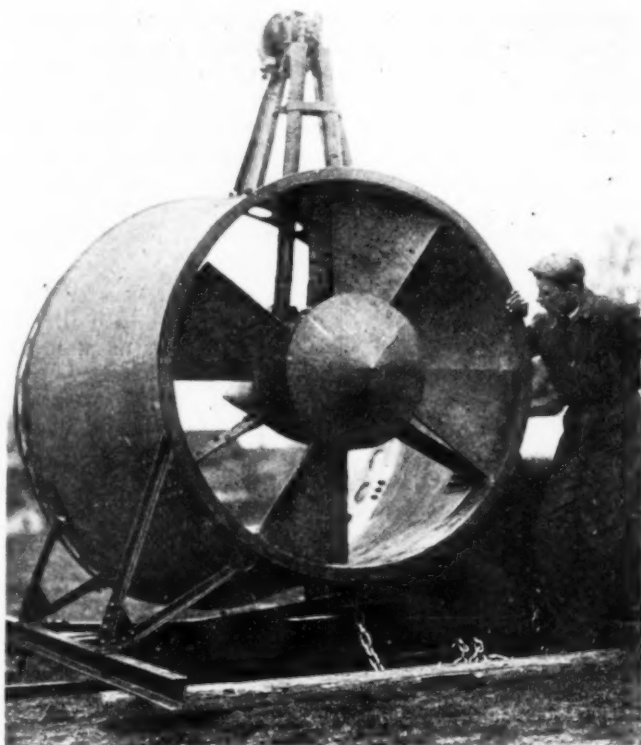
"For years almost every progressive nation has given increasing thought to water-power works, indicating already their anxiety about the future. But it now is felt that even should all the waterfalls be utilized for power, this energy, so generated, would not be sufficient to meet the cumulative consumption of power throughout the world.

"Through the invention of a new water-turbine by Eduard Suess, however, a new potential source of power has been developed—a source of power which will make it possible to produce electricity in almost unlimited quantities from any places in rivers without special construction. The new water-turbine has been tested recently in the Danube River with the very best results.

"In short, the same conditions govern in the use of the water-turbine as in use of wind-turbine, yet, the increasing velocity of the driving medium results in a rapidly advancing result not at all arithmetically. With the same dimensions for the two kinds of machines, air and water, the water-

the current when submerged. The water enters through this opening at the propeller, streams through the conus of the structure and emerges through a larger opening, measuring two meters in diameter. As the entering waters, when passing through the structure, have to fill out the enlarged form, they naturally must diminish in comparison with the water running to the turbine, thus making a sucking effect on the water contents of the structure. By this constant sucking effect the action of the water on the propeller is considerably increased, so that an economical gain in electrical energy is thereby made possible.

"The Suess free-current turbine is mounted on two cylindrical, sheet-metal, floating structures, with a 2500-kilogram up-thrust, held over the water between the floating structures on tackles, and thus easily submerged, or raised out of the water, without any great effort. On both floating structures



VIEW OF THE SUESS ENGINE.

are platforms, surrounded by guard rails. So the turbine can be towed to any place and can be anchored at any spot in a river where the operators may desire to work it.

"With a machine equipped with a propeller measuring 1½ meters in diameter, the capacity is approximately 50 horsepower, sufficient to supply a small community with adequate electrical current. But there is no question that a machine capable of generating 1000 horsepower can be constructed—a fact of such tremendous importance that it must not be overlooked in considering the power needs of the world. As the turbine must be totally submerged for use, its dimensions and accomplishments are, of course, dependent on the depth of water at the point of operation; but, on the other hand, where the use of only a small turbine is possible, two or more machines can be used, thus making up in numerical strength the low-water weakness."

The MANUFACTURERS RECORD is indebted to Warden McC. Wilson, secretary of the United States Legation at Vienna, for his courtesy and help in transmitting correspondence with Mr. Suess and Mr. Friedmann.

The city of High Point, N. C., Edward L. Ragan, city secretary, has sold an issue of \$750,000 of school bonds at \$763,792.



THE TURBINE IN ACTION.

turbine gives 800 times greater results than the air-turbine. The invention of this water-turbine followed years of experiment by Mr. Suess, one of the foremost engineers in Europe, for the most part at the Technical High School in Vienna.

"The basic principle of his water-turbine is astonishingly simple. A chief feature is a four-blade propeller, 1½ meters in diameter, fixed on the narrow opening of a conical structure having a diameter of 1½ meters and which is turned against

THE RUBBER SITUATION VIEWED FROM AN ENGLISH STANDPOINT.

An Effort to Protect Producers from Poverty.

London, August 31.

Editor Manufacturers Record:

I am indebted to the courtesy of Mr. Arthur Kitson for a copy of your issue of August 13, which reproduces my letter of July 21, addressed to the London Morning Post.

I have read with interest the comments you have made on the points put forward by me, and, if I may trespass further on your space, I would appreciate the opportunity to try to rectify one or two misconceptions which appear to my mind to influence the American view of the original purpose and the results of the working of what is known as the "Stevenson scheme."

In the first place, let me quote your comment that "England has hardly any right to feel aggrieved if the rubber users of America criticise the action of the British Government in restricting the output of rubber and putting the prices at a high figure." Your comment doubtless summarizes American opinion, but it indicates to me a serious misunderstanding of the Stevenson scheme, which is probably the foundation of a good deal of the adverse criticism to which the scheme has been subjected in America.

With all due respect, let me emphasize the fact that the Stevenson scheme has not restricted the output of rubber, but only the actual shipments of rubber from Malaya and Ceylon (which provide, roughly, half the world's production). The simple proof of this is the recent release of 6000 tons of "uncoupons" rubber, i. e., rubber produced by the Estates in excess of what is known as their "exportable allowance." So far as I am aware, there is nothing in the Stevenson scheme prohibiting or restricting production—that is entirely a matter of individual policy. The other half of the world's production, the major portion of which is supplied by the Dutch East Indies, is quite free to ship as much as it likes to produce.

With regard to the charge of putting prices at a high figure, the very clear purpose of the Stevenson scheme, as we understand it in England, was to stabilize the price round about 1/6d per pound, and I am sure, from what I know myself, that the important interests among British rubber producers would have been quite satisfied if they could have been assured of that level of value for their produce. As a matter of fact, a very large business was done about last March for forward delivery in 1926 at round about 1/5d and 1/6d per pound, which was then considered a very fair price. Even today the value is only about 2/5d per pound for the same position.

The violent fluctuations in price and sharp dislocation of the whole trade which we have lately witnessed are of no real or permanent advantage to anyone; but, as I said in my original letter, I cannot help but feel that this has been mainly brought about by "passive resistance" carried too far. When this was realized by the buyers (rather late in the day), the result was a very undignified scramble to cover individual requirements, which has swung the pendulum of price to the other extreme.

My allusion to the grain and cotton markets in the United States was merely intended as a passing reference and not as having any direct bearing on the subject-matter of my letter. I am afraid I am more or less ignorant of the cotton trade; but, if the facts are as you state, I have no sympathy with the International Cotton Spinners Association any more than I have with the present agitation. Such tactics bear their own condemnation.

The prosperity of the industries of a country should be the first and constant care of every Government, though in Great Britain I regret to have to admit that, speaking gen-

erally, it appears to be about the last consideration of our own administration—the Stevenson scheme is about the only exception, to my mind. For that reason alone it is inexplicable to me that this essay by our authorities to try to help an industry to help itself should have met with so much hostility as we have witnessed in the recent past, judging from the various public utterances of men whose names are known the world over.

As I understand the manufacturers' complaint, both in the United States and Great Britain as well, it is that, having developed a very fine trade in tires, to name one article alone, made from the large supplies of rubber purchased at much below cost of production, they are now complaining not that they cannot sell their tires, but that they have actually got to pay a price which covers the cost of production and leaves a little over. I should probably feel more charitable about this if they had not utilized the present opportunity to increase the price of tires by 35 per cent on the price of the whole article. If anyone has a real grievance, it is the public, who have to pay a very heavy surcharge to the manufacturer, far and away above any increase he may have had to pay the rubber producers.

Let me tender my thanks to you for your fairness in publishing my previous letter. I feel sure that if you can afford the space to give publicity to the present one and invite the opinions of your readers, who are, no doubt, equally interested in this question, it will go a long way to help to a better understanding of the difficulties with which the British rubber producers have had to contend, and if that object is achieved this correspondence will be amply justified.

WM. J. LUCKING.

What Georgia Must Do to Succeed in Reforestation.

The First National Bank of Richmond.

Richmond, Va., September 15.

Editor Manufacturers Record:

I have read with considerable interest the article in your Daily Bulletin of September 12 on "Forestation Progress in Georgia." One thing that Georgia needs badly in this respect is a proper law with reference to fences. As it stands now, a number of counties have what is called a "no-fence law," meaning that the owner of cattle does not have to fence up his cattle, and other property owners are thereby at the mercy of roving cattle, as it is manifestly prohibitive to talk about fencing large tracts of timber.

Through the great majority of extensive tracts of timber land or cut-over land are scattered small farms of 50 to 100 or more acres. The owners of these farms, in order to provide grazing ground for their cattle, periodically set fire to the woods adjoining their farms so that the cattle may graze on the new grass. This very largely destroys the young growth and makes reforestation difficult, as even if the timber lands were fenced the fences would be broken down to let the cattle in and the incentive for burning would still exist.

The remedy would seem to be to enact rigid laws requiring the farmer to fence in his own cattle and to impose a substantial penalty on cattle found roaming on land other than that of the owner. There are so many owners of these small tracts who each has a vote, as against the comparatively small number of owners of large tracts of land, that it is difficult to get the necessary legislation. I am submitting these comments because we have been interested in several large tracts of land in Georgia.

C. R. BURNETT, Vice-President.

Bids will be received until October 6 by C. C. Wyatt, treasurer of Graves county, Mayfield, Ky., for the purchase of \$400,000 of county road bonds bearing 5 per cent interest.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Our Spineless Mexican Policy.

HOWARD T. OLIVER, 61 Broadway, New York city.

Permit me to add my congratulations to the many you will receive for the recent editorial entitled "Time For An Established Mexican Policy." You not only have facts of an important character, but you also express the true American spirit in your efforts to prod the State Department into a recognition of its duties to American citizens in Mexico.

Our Government seems to have an inferiority complex whenever it is forced to consider the Mexican question. It has been worsted so frequently in its diplomatic interchanges with the Mexican Government and has accepted so many rebuffs that now it appears helpless to enforce respect for American citizenship by diplomacy. I write from personal knowledge, and faithfully assert that the troubles between Mexico and the United States are traceable to the spinelessness, to use your words, shown by those officials of our Government who have to do with Mexico. Within the past month the recent Kellogg warning has been flouted by the Mexican Government. In spite of the bold tone of the Kellogg warning, the Mexican Government has flatly refused to accede to the representations of the Department of State in behalf of an American citizen, and the department has been willing to throw up its hands and calmly accept another rebuff rather than follow up its publicly expressed attitude.

In the days of Christ and St. Paul it was accounted an honor to be known as a citizen of Rome. Today it is dangerous to be a citizen of the United States in Mexico. In periods of crises many Americans deny their citizenship and claim to be British subjects, to obtain respect and protection that is not available to them because of the weak-hearted attitude of their Government. When will our Government learn that its primary function is to grant to the citizens of the United States the protection which cannot be obtained through individual effort? Governments exist to provide their citizens with police protection, with fire protection, with sanitation, courts, an army and navy, and with laws. As a side issue, they operate postal service. A government is an organization set up to protect one citizen from another, an individual from a corporation, communities from disease, crimes and insanitary conditions, to protect individuals from the miscarriage of justice and our country from insults and attacks. If an individual is subjected to injustice by foreign Governments, he must look to his Government to exercise its powers, whether they be of diplomacy, economic pressure, laws or military force, as his only recourse; but if he finds that he is sacrificed to the principles of "international comity" or bureaucratic laziness and indifference, he must, as an American citizen, charge his Government with failure to perform its functions.

Trade expansion by the United States can only be accomplished through the protection of those Americans who are carrying American goods and ideals into foreign countries. When that protection is denied them by their Government, they retire from those foreign fields in which they are being harassed. It is, therefore, vital to our trade, if for no other reason, that the suggestion in your editorial to formulate a Mexican policy be carried out promptly, and then lived up to.

I was the first to congratulate the Secretary of State on his recent public warning, and, according to the Mexican Ambassador, I was the only one to do so; but my knowledge of the present relationship between the two Governments compels me to doubt its efficacy when I observe State Depart-

ment officials trying to picture successful results without pressing forward in a vigorous manner. Mexicans believe that the Kellogg warning was a bluff; many people in the United States believe the same, and I am convinced from the facts in one case that the State Department is backing down. Once again the American citizen must hang his head in shame as the Mexicans laugh at our Government.

The State Department needs a little housecleaning, some new blood, and, above all, needs more pressure by such powerful organs as yours to lead it back to a healthy American stand.

He Advocates Reasonable Tolerance.

HOWARD L. NASH, Nash Engineering Company, South Norwalk, Conn.

This morning the August 13 issue of the MANUFACTURERS RECORD came to my desk, and I was at once interested in the extract of a letter which appears on the front cover, and which you state is from "a publicist, with a wide range of profound study, likewise a man of affairs in the business world." To my mind much of the discussion regarding this Dayton matter shows considerable narrow-mindedness. I am a manufacturer and engineer, and also claim to have average religious tendencies, being an active church worker. In this somewhat neutral position, or, I might even say, inclusive position, I feel that I can see both sides of the fence.

Engineering work necessarily deals with theories of forces and materials, and such laws as gravity, which the above-mentioned letter speaks of as being "declared out of date," by Dr. Einstein. Railways, telephones, radios, machines, etc., are built on theories which are constantly changing and which are liable to be exploded at any time. Engineers understand the use and limitations of these theories and are not upset if any or all of them are replaced by more accurate ones. No doubt, "a publicist" in his business studies deals with numerous theories of economy, psychology, etc., and probably works out new theories of his own. He recognizes these theories to be faulty, in spite of the fact that he is accomplishing tangible things with them. He understands their use and their limitations and is not upset when they are improved upon or discarded. As he says, "George Washington was bled to death by science," and the theories of medicine are constantly changing. He probably does not mean to infer, however, that surgery and medicine should be abolished, as, in the meantime, wonderful things are being accomplished by these faulty theories.

Likewise, theories regarding evolution and physical development, while doubtlessly to a greater or lesser extent erroneous, also doubtlessly have done much good for those studying human nature and kindred subjects. None of these theories should in any degree decrease one's faith in the hereafter or the realization of the indispensability of a religious belief on earth. Rather they should make one stand in awe of the wonderfully harmonious workings of the intricate infinities of nature, which our poor finite minds can never hope to understand.

Religion is a study for each individual, and the fact that the beliefs of some one else interfere with one's own religious beliefs is not ground for condemning him as lacking a religion of his own. In any event, the habit of condemning others is itself much more condemnable than any honest thought or work, no matter how apparently wrong it may seem.

THE IRON AND STEEL SITUATION

Steady Production Seems Assured.

Birmingham, Ala., September 21—[Special.]—Warrant for steady production of pig iron through the remainder of the year is in sight; the sales of iron already made call for quite a large tonnage and the small consumers are still buying in the hand-to-mouth fashion, this small-lot tonnage aggregating nicely. Production has been lessened a little by the blowing out of a furnace by the Republic Iron & Steel Co. to permit of relining and repairing, material having been assembled so that the furnace can be got back in shape within six weeks. Another furnace in the district needs repairing, and this, too, will be rushed when once started on. In the meantime the surplus iron will be used in filling demands, while the probable make will be closely watched. Two or three furnaces are in shape for the torch, so that if there be an unlooked-for impetus in the buying the make can be increased overnight. The cast-iron pressure-pipe makers are confident of a need for active operation of shops and they have provided themselves with iron in quantity.

The cast-iron pressure-pipe trade promises to be very active throughout the winter. Already lettings have been received which will call for delivery for several months ahead. A steady make of gas and water pipe is absolutely assured through the remainder of the year. It is understood that one or two of the pressure-pipe shops of the district will be able to meet demands for the smaller sized pipe, as is the McWane Pipe Company, while other development in this line is being considered.

The soil pipe and fittings trade has been lagging more or less for several weeks. Foundries and machine shops, many of those doing regrinding work for automobile repairing, have been doing well and prospects are this activity will hold up well for some time to come. Other foundries have continued their diversification with profit, until today they are operating several departments on products for which there has been a good demand.

At present there are 10 blast furnaces on foundry iron in this state. The steel production in Alabama is none too great and nearly all the open-hearth furnaces are in operation. The steel finishing mills are practically going at capacity, the fabricating plants, turning out structural shapes, having many orders from Florida and other sections of the immediate territory. Many orders are being placed and more are in sight from the railroads, rail, accessories, which include tie-plates, bolts, nuts, spikes, etc., and other needs for the big transportation companies, and these will require considerable activity for some time to come. The new sheet mill of the Tennessee Coal, Iron & Railroad Co. is nearing completion and early in October will probably be started up. The tank and tank car works of Reeves Bros., Inc., plate-fabricating plant, is being started more and more as each department of the plant is finished.

The scrap iron and steel trade is looking up, a few changes having been made in quotations, with inquiries and buying better. Dealers are not anxious to take on long contracts, feeling confident the buying will be steady for some time to come. Heavy melting steel is quoted at \$13 per ton. Steel axles show a slight advance, but deals here are of a mixed variety, iron and steel axles.

The coal trade shows slight improvement despite the delay in the domestic coal buying. The intensely warm weather has caused much lagging in buying of domestic coal.

The coke demand is better and prices 25 cents higher, foundry coke quotations ranging between \$4.75 to \$5 per ton. Production was affected some by the necessity of shutting down more than 100 beehive ovens because of a water shortage through the drouth.

Quotations for pig iron and iron and steel scrap are as follows:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$19.00 to \$19.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$19.50 to \$20.00; iron of 2.75 to 3.25 per cent silicon, \$20.00 to \$20.50; iron of 3.25 to 3.75 per cent silicon, \$20.50 to \$21.00; iron of 3.75 to 4.25 per cent silicon, \$21.00 to \$21.50; charcoal iron, f. o. b. furnaces, \$30.00 to \$32.00.

OLD MATERIAL.

Old steel axles.....	\$18.00 to \$20.00
Old iron axles.....	17.00 to 18.00
Old steel rails.....	13.00 to 14.00
Heavy melting steel.....	13.00 to 14.00
No. 1 cast.....	16.00 to 17.00
Stove plate.....	13.00 to 14.00
No. 1 R. R. wrought.....	12.00 to 13.00
Old car wheels.....	15.00 to 16.00
Old tramcar wheels.....	16.00 to 17.00
Machine shop turnings.....	7.00 to 8.00
Cast iron borings.....	7.00 to 8.00
Cast iron borings (Chem.).....	15.00 to 16.00

Steel Consumption Continues Good.

Pittsburgh, September 21—[Special.]—There is a fuller realization in the iron and steel trade generally of the active conditions that have lately prevailed. There had been so much talk about trade decreasing up to July that it was hard to realize that activity was as great as it was in July, or that there had been substantial improvement since. Official figures of steel ingot production in August showed an increase of 10.9 per cent over July production. An outstanding feature of the trade situation is the steadiness all around. Consumption, buying, shipments and production are all in line with each other and show no trend either way. Prices have grown perfectly steady in the past few weeks, and if anything are now tending to harden, though no definite advances are to be expected, unless in one or two lines, sheets and plates in particular. They are especially low.

Reports for months have been of fair to heavy operations in the various steel-consumption industries, with one conspicuous exception—freight-car building. For more than five months there has been very light buying of cars and the shops have lately almost run out of orders. Thus the steel trade has become adjusted to this condition, but now there are expectations of an increase in car buying, not to the stage of activity prevailing in the past three years but making an improvement over the recent situation. The New York Central has just ordered 1000 70-ton hopper cars from the two makers in the Pittsburgh district, the St. Louis-San Francisco is inquiring for 3000 box cars and the Louisville & Nashville for 1250 box cars. Steel producers seem to have intimations that other inquiries are about to develop.

Lettings of fabricated structural steel contracts hold up pretty well, but show a slight decrease of late. The average since July 1 has been fully 10 per cent under the average in the first half of the year, the average being pulled down somewhat by rather light bookings in the past three weeks. Even at that the trade is more active than it has been in some recent years.

The tinplate trade has had a remarkably good season, operations only beginning to taper off September 1, and not much at that, the main change being the virtual ending of the season for packers' cans. Even at that, just one week ago a mill received a good-sized rush specification for tinplate to be made into tomato cans in the East, making very close connections and indicating a larger pack than had been provided for. The year's tinplate output promises to be several per cent above the record, made in 1917, 1,512,000 gross tons, or about 35,000,000 base boxes of 31,360 square inches. A base box makes about 400 No. 2 cans.

Valley furnacemen have marked up their pig iron prices 50 cents a ton to \$19.50 for Bessemer, \$18.50 for basic and \$19 for foundry and malleable, f. o. b. valley furnaces, with \$1.76

freight to Pittsburgh. This occurred without there being any active buying, the few furnaces running being in strong position, covered on coke, while an idle furnace could not blow in without buying coke, which would be difficult and the price at best would be at least \$1 advance over prices ruling in contracts. The Connellsville coke market has been quiet in turnover in the past week, Eastern buyers being less keen on account of the price advance, while operators have no desire to push sales, as the labor supply is already well taken up.

Heavy melting steel scrap is unchanged at \$18.50 to \$19. The low phosphorus grades have moved up 50 cents in expectation of buying by steel foundries, which have lately been inactive.

Bookings of Steel Castings.

The Department of Commerce announces August bookings of steel castings, based on reports from principal manufacturers, representing over two-thirds of the commercial-castings capacity of the United States, as 51,358 tons, or 51.2 per cent of shop capacity, as against 54,474 tons in July, or 54.2 per cent of shop capacity.

Union Miners Try Old Trick.

Charleston, W. Va., September 20—[Special.]—Just as the United Mine Workers' organization in 1902 made the West Virginia coal industry suffer as a means of winning the anthracite strike, if possible, so 23 years later the same tactics are being employed and West Virginia is being made—or, at least, the union is seeking to make it—as much of a battleground as the anthracite field. So long as there is a large production of bituminous coal in northern and southern West Virginia, the union realizes that it will have difficulty in bringing pressure to bear for a settlement of the anthracite strike advantageous to the union organization.

The first move to tie up production in West Virginia, if possible, is a call issued by Van A. Bittner, acting under orders presumably from John L. Lewis, president of the union, to non-union mines in the northern part of the state to join the union on September 25. That date is the day before John L. Lewis is expected in West Virginia to participate in a demonstration to be staged at Fairmont on September 26 for the purpose of bolstering up the wavering morale of the union miners who have seen many of their former union brethren join the ranks of the non-union men in order to secure regular work. The understanding is that union officials feel that there will be an important psychological advantage to be gained by coupling up the call for a strike with the visit of Lewis.

The effort to bring out the non-union men in order to strengthen the union in its anthracite fight is not the first one attempted this year. Less than six months ago, on April 1, a similar appeal was made to all non-union miners to join hands with the union and put a stop to open-shop production. Instead of the appeal bearing fruit, the effect has been the very opposite. In the last five and a half months non-union or open-shop production has continued from week to week to reach larger and larger proportions, despite appeals, violence, arson, picketing and every other method to which the union could resort. Hence, producers have little apprehension of the effect of the second strike call on production.

It is considered significant that the union did not include southern West Virginia in the call for a strike. There have been rumors that the entire state was to be included and that a campaign was to be waged in all sections of the state. That has been the boast of the union, and only recently Bittner and other officials visited various fields for the purpose of determining what the prospects of a victory might be. Evidently, their investigation was not very encouraging, for no definite move has been made, on the surface, to do anything in the southern part of the state.

RAILROADS

Chesapeake & Ohio Railway Orders 50 Locomotives from Richmond Plant.

W. J. Harahan, president of the Chesapeake & Ohio Railway Co., has announced the award of a contract to the American Locomotive Company for building 50 heavy Mikado type locomotives at a cost approximately \$3,250,000. The contract specifies that these engines are to be built at the Richmond (Va.) plant of the locomotive company and delivery is to begin in December. This contract is a part of the new equipment to be purchased by the Chesapeake & Ohio as announced in the latter part of August.

Louisville & Nashville Railroad has ordered about 70,000 tons of rails from the Tennessee Coal, Iron & Railroad Co. Other orders reported include 20,000 tons for the Texas & Pacific Railway and 3500 tons for the Central of Georgia Railway.

St. Louis-San Francisco Railroad is reported in the market for 3000 box cars of 50 tons capacity.

Santa Fe Surveying for Another Line to Fort Worth.

Construction of an extension of about 250 miles from one of its lines in the plains region of western Texas into Fort Worth is contemplated by the Atchison, Topeka & Santa Fe Railway Co., and surveying parties are in the field to seek a satisfactory route from Post, the county-seat of Garza county, eastward to Fort Worth. It is also to be noted that the company has completed a survey of 11 miles out of Floydada, county-seat of Floyd county, toward Benjamin, which lies in the general direction of Fort Worth, so that it may be one of these two routes will be selected, this to be determined after further surveying.

Railroads Ask Extension of Time to Reply Concerning Class-Rate Report.

George B. McGinty, secretary of the Interstate Commerce Commission, says concerning the Southern class-rate investigation that communications have been received from many of the railroads interested requesting an extension of time until October 6 in which to complete their study and analysis of the report and to make reliable and well-considered representations to the Commission concerning it. The Commission has granted the request.

A Proposed Short Line in Texas.

Plans to build a railroad about 60 miles long from McGregor, Texas, via Cranfill's Gap northwest to Hico, Texas, are being promoted by a committee organized at Cranfill's Gap and headed by L. E. Bailey of Meridian, Texas. Chris Rohne of Cranfill's Gap is secretary. These two offices, together with W. T. Terguson, are active in the matter, and C. H. Van Emon, a civil engineer, is also mentioned in connection with the enterprise, besides others.

Improvement of Gulf Coast Lines.

More than \$750,000 is being expended by the Missouri Pacific system in bettering track conditions on the Gulf Coast lines in Texas, President L. W. Baldwin has announced. Approximately \$411,000 of this amount is for rail-laying, while renewals of bridges call for another \$342,000. Heavy rail is being laid on the Gulf Coast main lines, and the lighter rail which it replaces is being laid on branches and sidings.

GOOD ROADS AND STREETS

South Carolina Asks Bids on 16 Miles.

Columbia, S. C.—Proposals will be received until September 29 by the State Highway Department for the construction of two road projects aggregating approximately 16 miles. One embraces 10.073 miles of the Batesburg-Prosperity road, beginning at the Lexington county line and extending to a point near Black's steel bridge, close to the Newberry county line. The other embraces 5.906 miles of the Newberry-Whitmire road, beginning about 14 miles from Newberry and extending to Whitmire in Newberry county. It also includes a 284-foot reinforced concrete bridge over Duncan Creek. Plans for the first are on file at the office of the state highway engineer at Columbia, while those for the other are on file at the office of the E. D. Sloan, division engineer, Greenville, S. C. They may be obtained from the state highway engineer.

Waycross to Pave More Than 100 Blocks.

Waycross, Ga.—Construction of paving on more than 100 blocks has been authorized by the city commission of Waycross, with the probability that more will be authorized at the next meeting of the commission. All paving will be of a permanent type, either asphalt or brick.

Complete 10.5-Mile Concrete Highway in Three Months.

Ziegler Bros., Greensboro, N. C., contractors, have completed in record time Project 763-B, Mount Airy to Pilot Mountain, a distance of 10.54 miles. This project is a plain concrete road, Type F, State Highway, North Carolina, 8-7-8 Section. It is 16 feet wide, 8 inches thick on the sides and 7 inches in the center.

The equipment used on this job was a Koehring 21-E gas-power paver and a Koehring gas-power crane with three-quarter-yard Blaw-Knox clamshell bucket. At the loading plant a Koehring crane was used to unload cars into a bin, which was equipped with measuring batches, so that the trucks carried to the paving mixer a pre-measured batch. The average number of trucks taking care of loading the paver was 12, each holding two complete batches, the size of batch being five sacks, 1-2-4. The average length of haul was two and a half miles. The average number of lineal feet of concrete road poured per nine-hour day was 596.5 lineal feet.

Forms used on the job were Blaw-Knox Dreadnaught 8-inch steel forms. The greatest output in one day was 812 lineal feet of road, which in itself is not a record, but the average is high for the entire job, considering the completion of the 10.5 miles in 93 shifts.

Earnest Bros., Richmond, Va., dealers in contractors' equipment and machinery, furnished most of the equipment used on the job. At the present time Ziegler Bros. have five concrete road projects under way in North Carolina.

Houston Ship Channel Bridge.

Houston, Texas.—Bids will be received until October 19 by Harris county and the city of Houston, at the office of the City Secretary, for the construction of a steel highway bridge across the Houston ship channel near 69th street. The structure will consist of a single-leaf steel bascule span, providing 100 feet clear channel between fenders, and approximately 250 feet of steel approaches. Contract will be awarded as a whole to include the construction of approaches, bascule span, substructures and all parts of the bridge. Plans, specifications and information may be obtained from the office of the city engineer. O. F. Holcombe is the Mayor of Houston and H. L. Washburn, also of Houston, is the county auditor.

Bids Asked on Seven Miles.

Deland, Fla.—Proposals will be received until October 5 by the Volusia County Board of Commissioners, at the office of Samuel D. Jordan, clerk of the Circuit Court, for the construction of approximately 7.3 miles of road, the work to consist of a rock-base course and surface treatment, concrete culverts, clay or concrete pipe culverts and appurtenances. The road will be located in the Orange City-Enterprise special road and bridge district, and plans and specifications may be obtained from the office of N. A. Hotard, engineer, at New Smyrna.

\$275,000 of Bridge Contracts.

Jefferson City, Mo.—Contracts have been awarded by the Missouri State Highway Department for the construction of 26 bridge projects at a total cost of approximately \$275,000. These structures will be located in various parts of the state and will be largely of reinforced concrete and steel construction. The most expensive one, which will cost about \$37,000, will be in Franklin county on the St. Louis-Springfield highway. It will consist of one 140-foot steel truss span with concrete floor and eight 45-foot reinforced concrete deck-girder spans.

Bids Wanted on 15 Miles.

Magnolia, Miss.—Bids will be received until October 8 by the Pike County Board of Supervisors, at its office in this city, for the construction of approximately 15 miles of Federal-aid project No. 36, a portion of the state trunk road between McComb and Walkers Bridge. Work will consist of grading, clearing, excavation, concrete work, piping and graveling. The estimated cost is \$125,000.

To Vote on \$1,788,895 Road Bonds.

Punta Gorda, Fla.—An election has been ordered for October 12 by the Charlotte County Board of Commissioners on a bond issue of \$1,788,895 for the construction of roads. Tentative plans call for building 93 miles.

(Continued on page 112.)



MODERN EQUIPMENT SPEEDS CONSTRUCTION OF NORTH CAROLINA HIGHWAY.

LUMBER AND BUILDING MATERIALS

Production and Shipments Increased.

Washington, September 17.—According to reports received by the National Lumber Manufacturers Association today from 364 of the larger softwood mills of the country for the week ended September 12, decreases in production, shipments and new business were noted, as compared with reports from 350 mills the previous week. In comparison with reports for the same period a year ago there were increases in production and shipments, while new business fell off to some extent.

The unfilled orders of 245 Southern Pine and West Coast mills at the end of last week amounted to 607,964,491 feet, as against 631,485,854 feet for 244 mills the previous week. The 137 identical Southern Pine mills in the group showed unfilled orders of 266,834,293 feet last week, as against 272,546,021 feet for the week before. For the 108 West Coast mills the unfilled orders were 341,130,198 feet, as against 358,939,833 feet for 107 mills a week earlier.

Altogether the 364 comparably reporting mills had shipments 94 per cent and orders 85 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 107 and 99, and for the West Coast mills 93 and 87.

Of the reporting mills, 351 (having a normal production for the week of 220,748,849 feet) gave actual production 104 per cent, shipments 98 per cent and orders 89 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past Week	Corresponding Week 1924	Preceding Week 1925 (Revised)
Mills	364	364	350
Production	240,207,746	227,223,229	241,198,131
Shipments	226,158,218	223,354,158	233,016,146
Orders (New Bus.)...	203,764,018	225,565,709	233,487,968

The following revised figures compare the lumber movements of the seven associations for the first 37 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	9,005,382,194	8,876,586,904	8,728,654,393
1924	8,595,574,860	8,536,588,307	8,282,126,837
1925 Increase....	409,807,334	339,998,597	446,527,556

The Southern Cypress Manufacturers Association (also omitted from above tables) for the week ending September 9 reported from 13 mills a production of 4,644,271 feet, shipments 5,280,000 feet and orders 4,780,000 feet. With three

fewer mills reporting, this association showed decreases in all three items as compared with the previous week.

The Southern Pine Association reports from New Orleans that for 137 mills reporting shipments were 6.92 per cent above production, while orders were 0.89 per cent below production and 7.31 per cent below shipments. Of the 125 mills reporting running time 102 operated full time, 17 of which noted overtime. Four mills were shut down and the rest operated from two to five and one-half days.

The North Carolina Pine Association of Norfolk, Va., with nine more mills reporting, showed large increases in all three items.

The Northern Pine Manufacturers Association of Minneapolis, Minn., reported production and shipments about the same, with new business slightly below that reported for the week before.

The Hardwood Manufacturers Institute of Memphis, Tenn., reported from 88 units production as 12,233,983 feet, shipments 12,677,620 and orders 16,122,215. The normal production of these units is 16,141,000 feet.

Increased Use of Creosoted Pine Poles.

The use of pressure creosoted pine poles in 1924 showed an increase of nearly 100 per cent over the 1923 figures, according to the Service Bureau of the American Wood-Preservers' Association. The following statistics, covering pressure creosoted pine poles for each of the last eight years, have been compiled by R. K. Helphenstine, Jr., of the United States Forest Service in co-operation with the above association. Figures on creosoted pine poles as a separate class have never before been given out:

Year	No. of Pine Poles Pressure Treated.
1917.....	103,804
1918.....	57,541
1919.....	156,346
1920.....	167,289
1921.....	224,777
1922.....	291,991
1923.....	451,852
1924.....	899,201

The desire of public-utility officials for a pole combining the qualities of strength and durability which will enable them to give the best service with minimum interruption due to repairs, replacements and damage from climatic disturbances is given as the reason for the increased demand for these poles.

LUMBER MOVEMENT FOR THIRTY-SEVEN WEEKS, AND FOR WEEK ENDING SEPTEMBER 12.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total	2,848,978,225	2,846,414,085	2,798,650,708	2,858,763,814	2,794,208,771	2,793,771,443
Week (137 mills).....	73,078,304	73,375,019	78,137,279	76,073,712	72,425,551	85,630,392
West Coast Lumbermen's Ass'n:						
Total	3,695,484,004	3,406,185,652	3,852,393,086	3,575,499,886	3,819,785,235	3,459,036,525
Week (108 mills).....	93,065,979	94,021,810	86,750,345	94,010,569	81,044,567	101,952,325
Western Pine Mfrs. Ass'n:						
Total	1,182,206,000	1,149,736,000	1,111,532,000	1,065,789,000	1,096,697,000	1,051,075,000
Week (35 mills).....	35,028,000	30,262,000	27,976,000	27,371,000	24,258,000	22,850,000
California Redwood Ass'n:						
Total	277,828,000	317,486,000	256,615,000	253,702,000	256,634,000	251,308,000
Week (15 mills).....	7,616,000	8,347,000	6,381,000	6,231,000	4,325,000	7,079,000
North Carolina Pine Ass'n:						
Total	320,741,465	277,733,523	309,549,510	277,324,107	255,997,387	240,215,869
Week (43 mills).....	15,946,363	4,737,000	11,647,894	3,947,077	10,664,900	4,771,992
Northern Hemlock and Hardwood:						
(Softwood) Total	116,365,000	99,812,000	93,526,000	84,874,000	74,454,000	67,870,000
Week (17 mills).....	3,424,000	2,829,000	2,135,000	2,520,000	1,611,000	1,893,000
Northern Pine Mfrs. Ass'n:						
Total	381,347,500	344,381,600	331,725,600	308,304,500	310,082,000	315,844,000
Week (9 mills).....	10,429,100	10,888,400	10,058,700	9,418,800	7,566,000	8,156,000
General Total for 37 weeks.....	8,822,950,194	8,441,748,860	8,753,991,904	8,424,257,307	8,607,858,393	8,179,120,837
Northern Hemlock and Hardwood:						
(Hardwood) 37 weeks.....	182,432,000	153,826,000	122,595,000	112,331,000	120,796,000	103,006,000
California White and Sugar Pine:*						
Total	809,143,000	756,827,000	757,531,000	552,347,000	651,509,000	.....
Week (8 mills).....	12,579,000	24,199,000	10,513,000	14,214,000	9,736,000	10,345,000
General Total for Week.....	240,297,746	227,223,229	226,158,218	223,354,158	203,764,018	225,565,709

*Revised figures not included in General Totals.

Represents about 77% total production California Pine region.

TEXTILE

Contract for American-Bemberg Plant.

Elizabethton, Tenn.—Contract has been awarded to B. G. Young of Johnson City for excavation work on the site of the American-Bemberg Corporation's plant between Elizabethton and Johnson City. As previously detailed in the MANUFACTURERS RECORD, this company will build an artificial silk mill at an ultimate expenditure of several million dollars. It is understood that general contract for the first unit will be awarded about October 1, and that this unit will be ready for operation in June of next year, employing about 2000 people. Lockwood, Greene & Co. of Boston, New York and Charlotte are the engineers and will handle the award of all contracts and other details in connection with the construction of the plant.

Increases Capital to \$150,000.

Haw River, N. C.—Capital stock of the Riverside Hosiery Mills, Inc., has been increased from \$25,000 to \$150,000, and plans have been made by the company to install 20 additional knitting machines, contract for necessary space having been awarded. These mills are at present equipped with 40 knitting machines and 14 loopers for the production of half-hose. J. A. Long is president and R. K. Lasley is secretary and treasurer.

Addition to Kenneth Cotton Mills.

Walhalla, S. C.—The Kenneth Cotton Mills have commissioned J. E. Sirrine & Co., Greenville, S. C., to prepare plans and specifications for a new packing and shipping building. The structure will be in the nature of an addition to their present plant to relieve congested conditions in the weave-room building. It will be 40 feet square, one story, of slow-burning mill construction.

Knitting Company in New Plant.

Charlotte, N. C.—Removal of its machinery from the old plant to its new building has been completed by the Nebel Knitting Co., and practically all machines have been installed and are now running to capacity. A complete dye plant is a feature of the new mill, which produces women's full-fashioned silk hosiery. William Nebel is president and treasurer of the company and A. F. Dichtenmueller is secretary.

Silk Mills Put on Night Force.

Danville, Va.—A night force has been employed by the Dan City Silk Mills and the plant is now operating day and night. This activity has been made necessary because of an increased demand for products of the mill, and it is understood that a full-time force will be employed as long as the market remains favorable.

Addition for Knitting Mills.

Chattanooga, Tenn.—A permit has been secured by the Mountain City Knitting Mills for an addition to its plant here, the new structure to be erected on East Main street, between Osage street and Holtzclaw avenue. It will be two stories, of brick construction, and will cost about \$25,000.

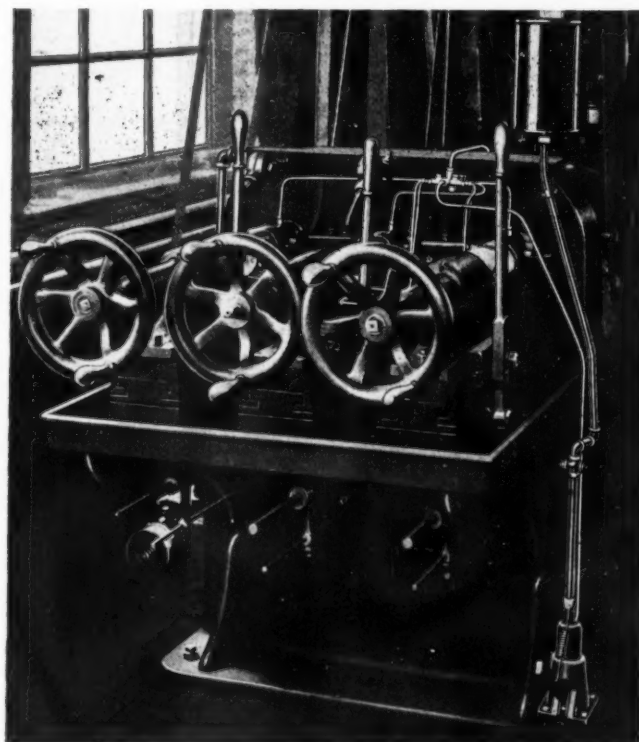
Cherokee Cotton Mills Company.

Kings Creek, S. C.—Capitalized at \$100,000, the Cherokee County Cotton Mills Co. has been organized here with A. W. Love as president and treasurer. Other officers include W. M. Faulkner, vice-president, and W. A. Love, secretary.

MECHANICAL

Bowen System of Machine Lubrication.

Success of the Bowen system of chassis lubrication having led to a demand for this make of lubricating equipment in the industrial field of activity, it has now been especially designed to meet the requirements of general machinery in industry, and the accompanying picture shows it as applied to a tapping machine. As now perfected it is adapted for use on all types of industrial machinery, and the manufacturers, the Bowen Products Corporation, Auburn, N. Y., say that when it is installed as standard equipment by machinery men they will have provided means of lubrication which will insure their products against neglect to lubricate and



TAPPING MACHINE WITH BOWEN SYSTEM.

they will not suffer from hit-or-miss methods. Merely pushing the foot pedal will result in perfectly lubricating every bearing so that no hand lubrication is requisite.

Further claims of the manufacturers of this lubricating system are that it is positive in its action and simple and unfailing in oiling every part of a machine, reducing operating costs, making repairs unnecessary and insuring constant production in a manufacturing plant.

Concentration of Fluorspar Ores.

An investigation to determine possible improvements in the milling of fluorspar is being conducted at Rolla, Mo., by the Bureau of Mines. A study has been made of tailings from concentrated mills in southern Illinois, and the material was subjected to experimental classification and concentration with jigs and tables in order to determine its behavior. Sufficient progress has been made to indicate that more economical recovery may be effected.

Imitation Jewelry, Stationery, Etc.

B. D. GUJAR MAL & Co., Guru Bazar, Amritsar, India—Wish to hear from manufacturers of the following goods which they import into India: Jewelry (imitation), stationery, rubber goods, sundries, etc.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Airplane Plants, Stations, Etc.

Fla., St. Augustine—See Miscellaneous Construction.

Mo., Kansas City—Porterfield Flying School Corp., capital \$10,000, chartered; E. E. Porterfield, 1733 McGee St.; operate public flying field.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Childersburg—Central of Georgia Ry., C. K. Lawrence, Ch. Engr., Savannah, Ga., plans concrete bridge at Childersburg.

Arkansas—See Roads, Streets and Paving.

Fla., Bartow—Polk County Comms. receive bids Oct. 6 for reinforced concrete bridge over Alafia River on Mulberry-Brewster Road, in Special Road and Bridge Dist. No. 9, 58,700 lbs. reinforcing steel; plans on file and from Engr. Lakeland.

Fla., Bradenton—See Roads, Streets and Paving.

Fla., Jacksonville—Duval County Comms. contemplating bridge across St. John's River; F. M. Edwards, County Engr.

Fla., Miami—See Roads, Streets and Paving.

Fla., Miami—Robertson & Whittaker, Inc., developers, Edgewater Park, plan bridge over Miami canal, between Douglas and LeJeune Roads and extending 36th St. to Ludlum Rd.

Fla., St. Augustine—City, Eugene Masters, City Mgr., plans Horn Road causeway and bridge; contemplates \$35,000 bond issue.

Fla., St. Petersburg—City plans building reinforced concrete bridges; votes Nov. 17 on \$110,000 bonds; R. E. Ludwig, Director of Public Utilities; R. S. Pierce, Mayor.*

Fla., Tavares—Lake County Comms. received low bid from Austin Brothers Bridge Co., Mickleberry St., Atlanta, Ga., at \$94,450 for steel draw bridge with concrete pivot pier and creosoted pile trestle approaches, across St. Johns River at Astor.*

Ga., Columbus—Muscogee County Comm. plans bridge building; may vote latter part of Oct. on \$75,000 bonds; R. H. Barnes, Clk.

La., Bastrop—Morehouse Parish Police Jury, J. W. Brodnax, Pres., receives bids Oct. 6 to construct 500 lin. ft. timber bridges on pile bents through Tchermanthaut bottom; plans from J. Lester White, Parish Engr.

Md., Rockville—See Roads, Streets and Paving.

Miss., Gulfport—Harrison County will build 3 bridges. See Roads, Streets and Paving.

Miss., Hattiesburg—City will build bridges and culverts. See Roads, Streets and Paving.

Miss., Moss Point—Jackson County Bridge Co., A. L. Staples, 1638 Government St., and Francis J. Image, both Mobile, Ala., representatives, propose building bridges over Pascagoula River at Pascagoula, and Escatawpa River at Moss Point.

Miss., Philadelphia—Neshoba County Board of Supvs., R. G. Moore, Chancery Clk., receives bids Oct. 8 for bridge over King Slough, Pearl Swamp Dist., on Yates Crossing, Philadelphia and Kosciusko road; plans on file.*

Miss., Vicksburg—State Highway Comm., Jackson, plans ¼ mi. bridge over Yazoo River, at Snyder's Bluff, near Vicksburg, steel and concrete over main stream, with creosoted timber supporting approaches, estimated cost \$250,000.

North Carolina—See Roads, Streets and Paving.

South Carolina—See Roads, Streets and Paving.

South Carolina—State Highway Dept. will build 4 bridges. See Roads, Streets and Bridges.

S. C., Charleston—See Roads, Streets and Paving.

S. C., Charleston—See Land Development.

S. C., Orangeburg—State Highway Comm., Columbia receives bids Sept. 29 for five 15-ft. spans treated timber bridge over Goodland Creek, about 2½ mi. north of Barnwell County line, on State Route No. 1, Orangeburg County; plans on file and from A. T. Brown, Div. Engr., Scovill Bldg., Orangeburg; Samuel McGowan, Ch. Highway Commr.

Texas—See Roads, Streets and Paving.

Tex., New Braunfels—Comal County, J. E. Roper, County Judge, plans bridge on State Highway, between New Braunfels and Landas Park, estimated cost \$50,000.

W. Va., Huntington—City Comms., H. H. Fielder, City Clk., receives bids Sept. 28 to construct and erect 60-ft. span reinforced concrete bridge across Four Pole Creek, on Harveytown road, reinforced concrete retaining walls, plain retaining walls and necessary grading, curbing and street paving; plans from A. B. Maupin, City Engr.

W. Va., Weston—Lewis County Court plans concrete bridge on West Second St. extended; replace wooden bridge. Address County Comms.

W. Va., Wayne—See Roads, Streets and Paving.

W. Va., Wayne—Wayne County will build approach and culverts. See Roads, Streets and Paving.

Contracts Awarded

Fla., Daytona—Volusia County Comms., DeLand, let contract to Gillespie & North, at \$100,000 for timber work on new South Bridge over Halifax River; to American Bridge Co., 71 Broadway, New York, at \$39,250 for steel draw bridge.*

Missouri—State Highway Dept., Jefferson County, let contracts for 26 bridges: Buchanan County, from St. Joseph to Hannibal, Pittsburg-Des Moines Steel Co., Des Moines, Iowa; over Muddy Creek, \$6971; over Overflow of Third Fork of Platte River, \$10,313; Chariton County, from Keytesville to Salisbury; over Puzzle Creek, Cool & Waddell, Ottawa, Kan.; to R. P. Harper Construction Co., Chillicothe, \$11,555; over Overflow of Chariton River; over Chariton River Drainage Ditch; over Chariton River, \$15,362; Clinton County, from Gower to Grayson, over A. T. & S. F. R. R., Oscar H. Schmidt, Bartlett Trust Bldg., St. Joseph, \$6375; Franklin County, from St. Clair to Gray Summit, Gaines Bros., Fairland, Okla.; from St. Louis to Springfield, over Bourbuese River, Federal Bridge Co., Des Moines, Iowa; over stream, Gaines Bros., \$10,227.

In Jackson County, from Kansas City to Jefferson City, A. A. Davis & Co., Grain Exchange Bldg., and E. J. Wells, 642 E. 13th St., Oklahoma City; over Little Blue River, \$24,392; under Blue Ridge Blvd., \$12,080; over stream, Johnson County, to A. A. Davis & Co. and E. J. Wells, Oklahoma City; from Montserrat to Knobnister, over Clear Fork Creek, \$11,983; from Kansas City to St. Louis, over stream; from Warrensburg to Montserrat, over Overflow Bear Creek, \$6079; over Bear Creek, \$10,182; Mississippi County, from Charleston north, over Big Lake Drainage Ditch, Roy Williams, Charleston, \$6200; Montgomery County, from Kansas City to St. Louis, Pope Construction Co., Jefferson City, \$24,118; over Overflow Louter River, \$8581; over Overflow Louter River, \$5900; Ray County, from Excelsior Springs to Richmond, over A. T. & S. F. R. R., Zeigler Bros., Junction City, Kan., \$9013; Saline County, from Marshall to Sedalia, Smith Bros., Inc., Santa Fe Bldg., Dallas, Tex.*

N. C., Washington—Beaufort County Comm., T. Freeman, County Engr., let contract to W. L. Jones, Elizabeth City, for 2060 ft. creosoted timber bridge over Pantego Creek, at Bellhaven; 110-ft. steel draw, swing span on central pin.*

Tex., Orange—W. M. Smith Co., Alexandria, La., awarded contract at \$165,473 for 5000 ft. trestle work on approach to proposed Sabine River Bridge.*

Tex., Wichita Falls—Wichita County let contract to Austin Bridge Co., 1813 Clarence St., Dallas, at \$19,000 for Beaver Creek Bridge, Precinct No. 4, near Wichita Falls.

Va., Luray—See Roads, Streets and Paving.

Va., Richmond—Southern Ry. System, B. Herman, Ch. Engr., Washington, let steel contract to Virginia Bridge & Iron Co., Roanoke, for 3 bridges between Richmond and Danville.*

Canning and Packing Plants

Mo., Cabool—S. W. Brown will erect canning plant.

Tex., Edinburg—The Farmers Canning Co., Russell Bldg., capital \$50,000, incorporated; J. W. Stith, George W. Walton; erect canning plant.

Clayworking Plants

Ky., Irvine—See Miscellaneous Enterprises.

La., New Orleans—Hortman-Salmen Co., incorporated; F. W. Salmen, Roosevelt Hotel.

W. Va., Charleston—West Virginia Brick Co., Capital St., Homer Wisman, Sec., will rebuild plant burned at loss of \$150,000.

Coal Mines and Coke Ovens

Ky., Pineville—John L. Phillips, Ray B. Moss and associates, reported, acquired property of the White Star Coal Co., from the American Light & Traction Co., 120 Broadway, New York; will re-open and operate.

Mo., Kansas City—LeFlore Coal Co., capital \$12,000, incorporated; W. L. A. Johnson, 519 Keith and Perry Bldg.; branch located at Poteau, Okla.

Tenn., Knoxville—Quality Coal Co., incorporated; James C. Walker, J. W. Chamberlain, 136 Hiwassee St.

W. Va., Logan—Fort Branch Collieries Co., capital \$50,000, incorporated; R. M. Fortune, C. E. Justice.

Concrete and Cement Plants

Ky., Irvine—See Miscellaneous Enterprises.

N. C., Blittmore—The Felstone Co., Inc., Fairview Rd., let contract to Ideal Concrete Machinery Co., Winton Place, Cincinnati, O., for motors, mixers, tile machinery; manufacture concrete building tile, daily output 4000.*

N. C., Morehead City—The Bogue Supply Co., Bogue park, contemplates manufacturing concrete products.

Tenn., Memphis—S. B. Lawrence, Pres. Lawrence Construction Co., Daniel Bldg., Jackson, Miss., reported, organized Lawrence Concrete Products Co.; will establish plant at Hollywood Station, manufacture culvert pipe, etc.

Tenn., Richard City—Dixie Portland Cement Co., Richard Hardy, Pres., James Bldg., Chattanooga, reported to expend \$500,000 on improvements and additions to plant, including installation of two new kilns, increasing capacity to 50 cars per day.

Cotton Compress and Gins

Ala., Talladega—Farmers Union Warehouse

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co. will rebuild plant burned at loss of \$35,000; install complete ginning outfit.

Miss., Beloni—Farmers Gin, Inc., chartered; J. M. Powell, O. J. Turner.

N. C., Calypso—Calypso Gin Co., incorporated; James T. Britton, W. S. Byrd.

Okla., Porum—Ed Taylor will rebuild burned gin.

Tex., Greenville—Brown Gin Co., capital \$16,000, incorporated; S. W. Brown, J. D. Middleton.

Tex., McCoy—G. T. Assiter & Sons are building gin, cost \$25,000.

Tex., Pep—Pep Gin Co., capital \$15,000, incorporated; L. P. Scheb, Theo. Hertel.

Tex., Weston—Cassaday Gin Co., capital \$21,000, incorporated; W. A. Cassaday, J. J. Brown.

Drainage, Dredging and Irrigation

Fla., Boca Raton—See Miscellaneous Construction.

Fla., Tavares—See Miscellaneous Construction.

La., Lake Charles—Lake Arthur Dredging Co., Frank Bldg., will construct fire protection canal along side of trestles which form part of Sabine marsh; canal to be 1 mi. long, 50 ft. wide; excavation approximately 50,709 cu. yds.

La., New Orleans—See Land Development.

La., New Orleans—Comms. of the Orleans Levee Dist., Peter J. Flanagan, Pres., receives bids Oct. 14 for dredging and building embankment; Marcel Garsaud, Chief Engr. (See Machinery Wanted—Dredging, etc.)

Okla., Sapulpa—Ray Flood, Creek County Surveyor, making plans for drainage district for Creek, Okmulgee, McIntosh, Okfuskee, Lincoln and Oklahoma Counties; contemplates reclaiming more than 250,000 acres, of which about 35,000 are in Creek County; dredge channel, create several artificial lakes for surplus water, to use for irrigation purposes, etc.; E. E. Blake, Chrmn., Drainage, Irrigation & Reclamation Comms., Oklahoma City.

Tex., Beaumont—E. E. Plumly, Chrmn. Beaumont Navigation Dist., Jefferson County, advises the following concerning reconstruction of waterway from Beaumont to Sea: "This is an Act of Congress to deepen waterway from 25 to 39 ft. and to the dredged portion give additional width of about 50 ft., cost when completed little more than \$2,000,000; money has been appropriated by Congress for work and big portion has been completed; bids for remainder have been asked and will be open about Oct. 1."*

Electric Light and Power

Alabama—Alabama Public Service Comsn., Montgomery, granted permission to Alabama Power Co., Brown-Marx Bldg., Birmingham, to sell \$9,000,000 worth of securities; also granted permission to construct transmission line and distribution system to serve Coopers, Mountain Creek, Verbena and Marbury, for transmission line from Courtland to Moulton with distribution system at Moulton; approved transfer of electric utility property at Heflin and extension of power lines from Oxford to Heflin.

Ala., Cherokee Bluff—Alabama Power Co., Brown-Marx Bldg., Birmingham, advises that contract has been let to Cleveland Crane and Engineering Co., Wickliffe, Ohio, for 2 cranes for Cherokee Bluffs power house; 1 an overhead power house crane of 200 tons capacity, the other a gantry crane of 50 tons capacity; have approved plans for design of power house, buff brick and steel construction, requiring 1,500,000 brick and about 700 tons steel; have purchased 3 giant turbines; will expend \$1,000,000 in sanitation work; have cleared more than 15,000 acres of mammoth lake, all cofferdams completed; lake will have shore line of more than 700 miles and occupy part of 3 counties, impounding billions of gallons of water.*

Ala., Enterprise—Alabama Public Service Comsn., Montgomery, granted permission of Gulf Electric Co., subsidiary of Alabama Power Co., Brown-Marx Bldg., Birmingham, for transmission line from Enterprise to New Brocton with distribution system at New Brocton.

Ala., Heflin—Alabama Power Co., Brown-Marx Bldg., Birmingham, will extend electric line from Oxford to Heflin, 16 miles of 11,000 volt, 3 phase, wood pole pin type insulator, No. 4 copper conductor; all work by Dixie Construction Co.'s forces.

Ala., River Falls—Alabama Public Service Comsn., Montgomery, granted permission to River Falls Power Co. to extend transmission line into Andalusia and connect with distribution system of Andalusia Light and Power

Co.; also granted permission to acquire Andalusia Light and Power Co.'s capital stock.*

Ala., Troy—City will probably let contract to Pea River Power Co. to install electric light plant.

Ark., Little Rock—Hydro Electric Co., capital \$200,000, incorporated; H. L. Remmel, 1622 Center St., Elbert L. Smith.

Ark., Piggott—City let contract to C. M. Harris, Piggott, for distribution system; install 60 and 120 h.p. unit.

Ark., Siloam Springs—City, J. R. Abercrombie, Chmn. Water and Light Board, will install \$9000 engine and dynamo, erect building.

Fla., Avon Park—See Land Development.

Fla., Clearwater—City let contract to Auld Electric Co., at \$40,000, for white-way system.

Fla., Clearwater—See Land Development.

Fla., Cottondale—See Water Works.

Fla., Daytona—See Land Development.

Fla., Haines City—See Land Development.

Fla., Jacksonville—City Comsn., Frank H. Owens, reported planning extensions in electric light system to Green Cove Springs, San Jose and other developments.

Fla., Lakeland—See Land Development.

Fla., Jupiter—See Land Development.

Fla., Mascotte—Florida Public Service Co., Orlando, will extend electric system from Groveland to Mascotte.

Fla., Miami—See Land Development.

Fla., Mulberry—See Land Development.

Fla., Pensacola—See Land Development.

Fla., Sanford—Florida Power & Light Co., C. H. Ellis, Mgr., West Palm Beach, reported to construct \$2,000,000 power plant on St. John's River, 10,000 kw. units.

Fla., St. Augustine—City, Eugene Master, Mgr., contemplates \$50,000 bond issue for white way and park.

Fla., St. Petersburg—See Sewer Construction.

Fla., Tallahassee—West Florida Co., organized by Mees & Mees, Charlotte, N. C., and others, reported to have franchises in Tallahassee, Havana, Quincy, Midway, Cairo and other towns, and to construct dam across Ocklocknee River at Stewart Bridge.

Fla., Tampa—See Land Development.

Fla., Valrico—Stone & Webster, Inc., 24 Milk St., Boston, Mass., reported to install electric line.

Fla., West Palm Beach—See Land Development.

Ga., Brunswick—Brunswick Terminal and Railway Securities Co., Samuel C. Steinhart, Pres., reported sold stock of Mutual Light & Water Co. to Wm. Levering, Philadelphia, Pa.

Ga., Dublin—Georgia-Southern Power Co. acquired municipal electric plant.

La., Lake Charles—Stone & Webster, Inc., 24 Milk St., Boston, Mass., reported to have franchises in Lafayette, Iberia and St. Mary parishes.

La., Lake Charles—Louisiana Electric Co., Inc., Joseph Bowers, Mgr., advises company has franchise in number of parishes in Louisiana; will build transmission system through the territory.*

La., New Orleans—See Land Development.

La., Shreveport—S. R. Morgan Interests, A. O. U. W. Bldg., Little Rock, Ark., R. H. Burtz, Sec., reported to construct high tension line along Mooringsport Rd.; cost \$75,000.

Mo., Cape Girardeau—Missouri Utilities Co. is expending \$200,000 for improvements to plant buildings, installing 3220 h.p. generator, rebuilding present structures.

Mo., Clinton—City votes Oct. 9 on granting franchise to Missouri Power and Light Co.

Mo., Puxico—Puxico Flour Mills reported to have franchise for power plant, water works system.

Mo., Springfield—City reported planning installation of white way system on S. Campbell Ave. Address The Mayor.

Mo., Thomasville—Missouri Hydro Electric Power Co., Kansas City, reported filed application with Federal Power Comsn., Washington, for permit to construct hydro electric power plant on Eleven Point River.

N. C., High Point—North Carolina Public Service Co. will install white way, using Westinghouse Electric and Manufacturing Co.'s system.

N. C., Highlands—Town reported to install electric light and power plant. Address the Mayor.

N. C., Marion—See Land Development.

N. C., Pompey's Knob, P. O. Little Switzerland—See Land Development.

N. C., Scotland Neck—City reported as planning improvements to power plant. Address The Mayor.

N. C., Waco—Town contemplates voting on \$5000 bonds for electric light plant. Address the Mayor.

N. C., Warrenton—Carolina Power and Light Co., Raleigh, reported acquired Warrenton Electric Light Co.'s lines and franchises.

N. C., Waynesville—Haywood Electric Power Co., incorporated; Hugh J. Sloan, Thomas Stringfield.

Okla., North Miami—Empire District Electric Co., Joplin, Mo., will extend transmission line to North Miami; has 25-yr. franchise.

S. C., Beaufort—See Land Development.

Tenn., Chattanooga—Tennessee Electric Power Co. reported to expend \$1,200,000 for new equipment, including 12,000 kw. boiler unit for Hale's Bar steam station, cost \$300,000, switching changes and line improvements at Chattanooga costing \$400,000, and 15,000 kw. steam turbine unit at Nashville steam plant, cost \$500,000; construction to begin in 1926.

Tenn., Chattanooga—East Tennessee Development Co., 242 Water St., Augusta, Me., applied to Federal Power Comsn. to construct 11 power and navigable dams on Tennessee and Clinch Rivers.*

Tex., Amherst—City, B. C. Linn, Mayor, reported planning new water supply and distributing system.

Tex., Arlington—City Comsn. let contract to Weeks & O'Neill for electric light plant, cost \$89,500.

Tex., Corpus Christi—City received bid from Gulf Coast Power Co., care of Central Power & Light Co., Chemical Bldg., St. Louis, Mo., for street lighting.*

Tex., Carlsbad—State Board of Control, Austin, reported receiving bids for addition to power plant; Phelps & DeWees, Engrs., Gunter Bldg., San Antonio.

Tex., Houston—See Land Development.

Va., Richmond—Virginia Utilities Corp., capital \$1,000,000, incorporated; Wm. H. Blauvelt, Pres., New York City; Allen J. Saville, Virginia Rwy. & Power Bldg., Richmond, V. P., and engineer in charge of construction; acquire and develop coal or limestone mines, operate coke ovens and blast furnaces, sell and distribute gas products from such mines and plants.

Fertilizer Plants

Md., Baltimore—See Miscellaneous Construction.

Va., Norfolk—Armour Fertilizer Works, Inc., Chicago, Ill., reported to acquire buildings and equipment of Fisheries Products Corp. of Virginia.

Foundry and Machine Plants

Ala., Gadsden—Agricola Furnace Co., Otto Agricola, Pres., reported, let contract to Ingalls Iron Co., 720 Ave. D, Birmingham, for plant to manufacture warm air furnaces, including 90x220-ft. foundry shed, 60x220-ft. mounting and warehouse room, 50x80-ft. mill and sand blast room, 40x40-ft. cupola room and 30x40-ft. core room; unit construction; install two 66-in. cupolas, etc.; machinery all electrically driven; annual output 20,000 furnaces; construction to begin as soon as material can be fabricated.*

Ga., Waycross—Railway Motor Car Co., capital \$50,000, incorporated; J. F. Lewis and Alex. K. Sessions of Cogdell; manufacture specially designed motor car for railway service.

Ky., Paducah—Southern Textile Machinery Co., W. P. Paxton, Sec., 433 S. Third St., increased capital, \$75,000 to \$100,000.*

Md., Baltimore—J. W. Neldhardt and associates, acquired the Detrick & Harvey Machine Co.'s plant, including grounds, buildings and equipment at 508 E. Preston St.; will enlarge.

Okla., Enid—Miller Boiler & Tank Co., T. L. Miller, Pres., 11 E. Elm St., reported acquired crude oil refinery at Ardmore, equipment to be moved to Enid.*

Okla., Oklahoma City—Monarch Tractor Co., capital \$100,000, incorporated; Ray Mullinix, W. W. Westervelt.

Tenn., Nashville—Liberty Range Works, Inc., capital \$200,000, chartered; O. L. Dortch, T. F. Lance.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Gas and Oil Enterprises

Ark., Jonesboro—City, Herbert J. Bosler, Mayor, considering installation of gas plant by United Power Corp. of America.

Fla., Kissimmee—Gulf Refining Co., Walter Marter, Mgr., reported to erect storage and distributing plant.

Fla., St. Petersburg—See Sewer Construction.

La., Deer Park—Sinclair Oil Co., 45 Nassau St., New York, reported let contract to Chicago Bridge & Iron Co., Transportation Bldg., Chicago, Ill., for ten 80,000-bbl. capacity tanks.

La., DeQuincy—Big Woods Petroleum Co., capital \$20,000, incorporated; Newham Royer, Fred Johnson.

La., New Orleans—See Land Development.

Miss., Tupelo—Independent Oil Co. increased capital, \$30,000 to \$60,000.

Miss., Utica—Hinds County Oil Co., incorporated; H. M. Reed, Z. T. Bragg.

Mo., Richland—Ozark Pipe Line Corp. will construct pumping station, including main building and 6 cottages for employees; 140x65 ft., install 3 engines, cost \$37,500 each; will operate own light plant and ice-making equipment.

Mo., St. Louis—R. J. Brown Petroleum Co., Boatmans Bank Bldg., increased capital, \$70,000 to \$150,000.

S. C., Charleston—The Redners Development Co., incorporated; Thos. W. Carroll, Rutledge St.; H. J. O'Neill.

S. C., Spartanburg—South Carolina Gas and Electric Co., Oakland Ave., will erect building 24x36 ft.; increase capacity.

Tenn., Cookeville—Stoll Oil Refining Co., 207 W. Broadway, Louisville, Ky., reported to have under construction \$35,000 pipe line, also to establish refinery at Winkle.

Tenn., Johnson City—Gulf Refining Co. of Louisiana, J. W. Cummins, Mgr., reported to construct \$30,000 plant on W. Walnut St.

Tex., Amarillo—Plains Drilling Co., capital \$50,000, incorporated; H. E. Fuqua, W. W. Woolsey.

Tex., Breckenridge—Kenridge Oil Co., capital \$25,000, incorporated; Art Cox, P. B. Goodwin.

Tex., Corsicana—Carrita Oil and Gas Co., capital \$15,000, incorporated; M. B. Kayden, H. C. Whitworth.

Tex., Nocona—Montague Gas Co., incorporated; George F. Fall, O. R. Slier.

Tex., San Antonio—Southern Natural Gas Co., Maverick Bldg., H. D. Hull, will construct pipe line from Webb County gas field to McMullen County; contract for 100 miles of gas pipe line reported let to Youngstown Steel Products Co., Youngstown, O.; S. R. Dresser of Bradford, Pa., has contract for couplings; Hope Engineering & Supply Co., Farmers Bank Bldg., Pittsburgh, Pa., Contrs.*

Tex., Wichita Falls—Moran Drilling Co., capital \$50,000, incorporated; W. J. Moran, Edgar A. Smith.

Tex., Wichita Falls—Welkin Petroleum Co., capital \$150,000, incorporated; W. D. Wells, John E. Stephens, 1820 Seventh St.

Va., Harrisonburg—See Lumber Enterprises.

W. Va., Charleston—Sherman Gas Co. increased capital to \$20,000.

W. Va., Parkersburg—Quick-Davis Oil Co. increased capital, \$10,000 to \$25,000.

Ice and Cold-Storage Plants

Ala., Florence—Barber Ice Co. of Memphis reported plans building ice plant; acquired site.

Fla., Bradenton—West Florida Ice & Ice Cream Corp., capital \$100,000, chartered; George V. Denny, W. H. Artley; will erect plant for manufacture of ice and ice cream, daily capacity 50 tons ice; also contemplates establishing cold storage plant.

Fla., Jacksonville—Milldale Ice Co., 1010 E. Bay St., will erect \$35,000 plant, 60x100 ft., brick, concrete floors, composition roof, specifications in hands of bidders; install \$75,000 equipment including, freezing tanks, condensers, piping, etc.; C. T. Baker, Const. Engr., 1526 Chandler Bldg., Atlanta, Ga.

Fla., Lake Worth—Palm Lake Co., Inc., organized; Geo. E. King, Pres.; H. A. Emerson, Gen. Mgr.; contemplates erecting 100x100-ft. cold storage warehouse, 8-story, in addition want ice plant to care for population of 40,000; wants data and prices on machinery and equipment.

Fla., Miami—Pure Water Ice Co., 61 N. E. Twenty-third St., will erect by day labor

1-story, 46x120-ft., wood frame building, iron roof, install machinery for 25-ton daily capacity plant; equipment furnished by Frick & Co., Waynesboro, Pa.; F. C. Prescott, Archt., Little River.*

Fla., Miami—Fred J. Hughes, 1116 V St. N. W., Washington, D. C., reported, establish ice plant, daily capacity 300 tons ice, with storage capacity of 10,000 tons; estimated cost of proposed plant and equipment about \$1,000,000.

Tex., Dallas—Dixie Ice Co., capital \$50,000, incorporated; Robert Thompson, R. H. Taylor.

Tex., Harlingen—Valley Electric & Ice Co. will erect 1-story ice plant, concrete, brick and steel; receiving bids; John M. Marriott, Archt., Frost Bldg.; bids received by S. M. Udden, 1020 Frost National Bank Bldg.

Tex., San Antonio—San Antonio Ice Rink Co., Jack K. Tobin, let contract to Triumph Ice Machine Co., South St., Cincinnati, Ohio, at \$40,000 for 70-ton refrigeration plant; work in connection with ice skating rink on Myrtle Ave.*

Land Development

Ala., Jasper—Steve Cranford acquired tract of 41 acres, develop subdivision.

Ala., Spring Hill—Land Investment Co., incorporated; S. P. Gaillard, Jr., John R. Easley.

Ark., Fort Smith—Lions Club reported interested in development of tourist park.

Ark., Little Rock—Travelers Realty and Loan Co., 215 W. Second St., capital \$10,000, incorporated; W. R. Bathurst, Joe Asher.

Fla., Auburndale—Allen Land Co., capital \$50,000, incorporated; H. A. Allen, R. C. Allen.

Fla., Avon Park—S. Y. Hartt acquired 210 acres on Lake Letta, develop subdivision; install water, sewers, electric lights.

Fla., Avon Park—Tuscaloosa Realty Co., capital \$10,000, incorporated; C. N. Jamison, A. McGehee.

Fla., Avon Park—Fredericks Homes of Florida, Inc., acquired 210 acres on Lake Letta, develop subdivision; install water, sewers, roads and streets; Leslie C. Merrill, Sebring, Sales Mgr.

Fla., Avon Park—Tuscaloosa Investment Co., capital \$50,000, incorporated; S. E. Deal, N. S. Curtis.

Fla., Avon Park—James B. Torbett, Lexington, Ky., acquired tract of land; will develop.

Fla., Bartow—H. J. Scheirich, 231 Fifth St., Louisville, Ky., reported acquired tract of land; will develop (supersedes previous item).

Fla., Blountstown—Pierce & Stevenson, First Natl. Bank Bldg., Miami, acquired 20,000 acres land.

Fla., Clearwater—Fred M. Smith, Pres. Hillcrest No. 2 Addition, will install white way, sewers, electric lights, roads and streets.

Fla., Cocoa—Smith & Smith, Inc., capital \$50,000, incorporated; C. Sweet Smith, Lucy B. Smith.

Fla., Daytona—Aaron Weiss and associates acquired tract of land near Ortona; develop subdivision.

Fla., Daytona—H. J. Gould, Pres., Daytona Gables, let contract for landscaping entire subdivision, including construction of Italian garden; received bid for construction of \$150,000 sidewalks and roads.*

Fla., Daytona—Coast Realty Corp., capital \$100,000, incorporated; Mortimer J. Kohler, Alfred A. Green.

Fla., Daytona—Harry Pepper Co., capital \$500,000, incorporated; Harry Pepper, Lewis Robinson, 219 N. Atlantic Ave., S. B.

Fla., Daytona—Marco Realty Co., Miami, will develop Rockaway Beach subdivision; install paved streets, electric lights, water mains.

Fla., Daytona—Samuel Price acquired tract of land; will develop.

Fla., Daytona—Michael Levy, Benjamin H. Rosen acquired tract of land; will develop.

Fla., Fort Myers—F. P. Rondeau, 38 S. Dearborne St., Chicago, Ill., acquired 80 acre tract of land on McGregor Blvd., develop subdivision.

Fla., Haines City—Miller-Cheatham Co. is developing 60 acres for homesites; will install paved streets and curbs, gutter, sidewalks, water mains, storm sewers, white way

and palm park ways; expend \$100,000; W. Eugene Jones, Landscape Archt.; Interstate Construction Co., Contrs.*

Fla., Jacksonville—Garland-Hamler Realty Corp., capital \$30,000, incorporated; H. J. Goldberg, Joseph R. Garland.

Fla., Jacksonville—Swaunne Investment Co., incorporated; George H. Martz, L. P. McCord, 329 Goodwin St.

Fla., Jacksonville—Green Florida Syndicate, capital \$100,000, incorporated; Vivian Green, Harry Mooney.

Fla., Jupiter—James S. Brailey, Jr., Toledo, Ohio, and associates acquired tract of land, including town site of Jupiter; will develop; construct Jupiter Concourse, 200 ft. wide; expend \$1,000,000 in paved streets, complete water, sewer system, electric light plant; dredge, improve number of small islands; the Estes Co., U. S. Trust Bldg., Jacksonville, and H. C. Daniels, West Palm Beach, sales agts.

Fla., Lakeland—Lakeland Real Estate Board, L. A. Smartt, will develop 130 acres for tourist camp and subdivision; E. J. Gaynor, Contrs.; H. D. Mendenhall, Engrs.*

Fla., Lakeland—Askins-Sherwood Development Co., capital \$25,000, incorporated; Robert H. Askins, Daniel H. Sherwood.

Fla., Lakeland—Nick Burns Co., Nick Burns, Pres., John E. Ballinger, Sec., is developing Lake Gibson subdivision; install water, sewers, electric lights, roads, 18-hole golf course, boating and swimming pier.

Fla., Lake Worth—Palm Lake Corp., George E. King, Pres., Lake and Dixie Sts., will soon let contract for pavements and sidewalks in subdivision; 50-ft. streets, 54-ft. pavements; install water, sewers, electric lights.*

Fla., Lake Wales—Florida Scenic Highlands Investment Co., G. W. Bassett and others, acquired tracts of land; will develop.

Fla., Live Oak—Maurer, Palmer & Dudley, San Juan Hotel Bldg., Orlando, acquired 3680 acres land; subdivide into small farms.

Fla., Mascotte—Mascotte Development Co., W. H. Schooley, Gen. Mgr., is developing subdivision; A. J. Drawdy, in charge.

Fla., Miami—Earl Realty Corp., capital \$25,000, incorporated; J. E. McMillan, V. M. Harwell.

Fla., Miami—Venetian Gardens Co. acquired 400 acres; will develop.

Fla., Miami—J. B. Renshaw, 132 E. Flagler St., will develop Brighton on tract of 50,000 acres; install paved streets, sidewalks, electric lights, water works, lakes and swimming pool; automobile camps.

Fla., Miami—Elliott Key Development Co., capital \$70,000, incorporated; G. A. Price, G. K. Roberts.

Fla., Miami—Florida Seaboard Investment Co., capital \$100,000, incorporated; G. Howard Lentz, Paul E. Spostrom.

Fla., Miami—Key Largo Corp., capital \$25,000, incorporated; Fred Botts, First National Bank Bldg.; Alfred L. Stolz.

Fla., Miami—Charles Court Realities, capital \$50,000, incorporated; A. K. Thorman, S. Tillis.

Fla., Miami—Sterne Brothers Corp. incorporated; F. H. Cohen, R. S. Florence.

Fla., Miami—Sturgeon-Kerwood Corp. and Simmonds-Hamlyn Co. of Little River acquired 10 acres land; develop subdivision; install water, sewers, electric lights, roads.

Fla., Miami—Sanco Realty Co., capital \$10,000, incorporated; Samuel Cohn, G. A. Worley, Jr., 42 E. Flagler St.

Fla., Miami—Dearborn Realty Co., capital \$10,000, incorporated; Joseph Dehan, Ben Monis.

Fla., Palm Beach—J. L. Ascher, Chicago, Ill., acquired 320 acres of land in Palm Beach County; develop Palm Beach subdivision.

Fla., Panama City—Nat F. West reported interested in colonization project.

Fla., Panama City—Edward Ball, Wilmington, Del., reported to have acquired 3000 acres of land; develop subdivision.

Fla., Pensacola—Avalon Beach Co., 14 N. Palafox St., is developing subdivision, approximately 5000 acres, with 15 miles of water front; will install water, sewers, electric lights, 18-hole golf course, series of canals spanned by bridges, yacht basin.

Fla., Pensacola—Dr. J. A. Root and Neely Bowen, Globe Realty Co., 77 N. Washington St., Chicago, Ill., acquired tract of land with 5 miles water front; will develop.

Fla., Pensacola—Peter L. Rollo of Rollo Realty Co. acquired 110 acres.

Fla., Pensacola—F. R. Kennedy, Portland, Me., acquired 117 acres land; will develop.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Sarasota—C. Roy Kindt Co., acquired 63 acres on Sapphie Shores.

Fla., Starke—Bradford Realty Co., capital \$25,000, incorporated; J. E. Corpening, E. M. Johns.

Fla., St. Augustine—Chulota Co., J. W. Hoffman, 17 Sevilla St., is developing subdivision in Seminole County; will install paved streets, extend water works, clear land and plant citrus trees; expend \$135,000; F. A. Hollingsworth, Archt., City Bldg., St. Augustine; Finley Method Co., Street Contrs., Graham Bldg., Jacksonville; Sanford Machine Co., Sanford, Water Works Contr.; J. W. Summerville, Constr. Engr.*

Fla., St. Augustine—See Electric Light and Power.

Fla., St. Petersburg—Smith-Mattice, Central Ave., will develop subdivision.

Fla., St. Petersburg—Claude E. Neal, 764 Central Ave., acquired tract of land; develop subdivision.

Fla., Tampa—Daniel Hecker acquired 97 acres of land, develop subdivision.

Fla., Tampa—W. H. Clark, J. B. Moody, Jr., 1002 Platt St., Tampa, acquired 3000 acres land in Pasco County; will develop; install roads, sewers, electric lights.

Fla., Tampa—City is receiving bids for clearing first 33 acres unit of Lowry Park tract of 107 acres; plans by Frank M. But-ton.

Fla., Tampa—South Florida Investment Corp., capital \$15,000, incorporated; J. J. Williams, Frank Hunter.

Fla., Vero Beach—City will probably install electric lights in Fred Acker's tourist camp.

Fla., West Palm Beach—Southard Investment Co. incorporated; D. L. Southard, S. F. Moore.

Fla., West Palm Beach—City contemplates developing tourist camp on 80 acres, install streets, sanitary sewers, water works, electric lights. C. A. Bingham, City Engr.

Ga., Augusta—Ridgewood Corp., capital \$75,000, incorporated; Paul C. Weinges, Adrian B. Sherman, 2417 Walton Way.

Ga., Cairo—Chamber of Commerce has tourist camp of 6 acres; will install water, electric lights, showers.*

Ky., Paducah—City plans voting in Nov. on \$150,000 park bonds. Address The Mayor.

La., Baton Rouge—University Heights, Inc., capital \$150,000, chartered; A. W. Wallace, Wm. Wolfe, 506 Third St.

La., New Orleans—State of Louisiana and City of New Orleans, through Board of Levee Commrs. of Orleans Levee District, will develop about 2000 acres of reclaimed land on Lake Pontchartrain, for parks, homesites and hotel sites; will be protected by seawalls or breakwaters and jetties, and developed along best lines of city planning; boulevards, bathing beaches, water, sewers, electric lights, gas; probably expend about \$27,000,000; about 35,000,000 cu. yds. of dredged material will be required for reclaiming; is receiving bids for Unit No. 1, embodying approximately 10,000,000 cu. yds. of dredging.

La., New Orleans—Ridgeway-Terrace Realty Co., capital \$121,000, incorporated; Wm. J. Kross, 636 Nashville Ave.

La., New Orleans—Lake Front Land Co., capital \$240,000, incorporated; Andrew Fitzpatrick, 1003 Title Guaranty Bldg.

La., New Orleans—S. V. Edmiston, 941 Gravier St., acquired tract of land; develop subdivision; install streets and sidewalks.

La., New Orleans—Villere Co., Inc., capital \$21,000, incorporated; Pierre M. Villere, Robin and S. Water Sts.

Md., Baltimore—Reed Realty Co., 508 St. Paul St., capital \$25,000, incorporated; C. Brosius Reed, Edward Ensor.

Md., Baltimore—Eisenberg Realty Co., 616 Equitable Bldg., capital \$50,000, incorporated; Max Eisenberg, Louis Eisenberg.

Md., Baltimore—Union Investment Co., 1313 Lombard St., capital \$25,000, incorporated; Joseph Green, Morrie E. Snyder.

Md., Baltimore—Hosbach-Solar Corp., 808 E. Fayette St., capital \$20,000, incorporated; Charles E. Hosbach, Wm. Wette, Jr.

Md., Baltimore—Wm. E. Ferguson & Co., 100 E. Pleasant St., acquired 50 acre tract at Wilkens and Beechfield Ave., will subdivide.

Md., Baltimore—Glandvale Holding Co., Inc., 333 St. Paul St., incorporated; Paul E. Bierly, Alan R. Tyler.

Md., Baltimore—Sequola Development Co., Inc., 44 Gunther Bldg., incorporated; Edward A. Strauff, John E. Stansbury.

Md., Frederick—Linden Hills Improvement

Co., capital \$10,000, incorporated; James M. Goodman, Samuel J. Newcomer; develop Linden Hills.

Miss., Biloxi—D. D. Brodie and Jack Strauss will develop Hubbard Terrace subdivision; Carl Mathews, Archt.

Miss., Biloxi—Yellen Bros., 45 W. 27th St., and associates of New York having plans and estimates prepared for development of Coral Gardens; W. S. Hawkins, Const. Engr., Gulfport.

Miss., Gulfport—Ridgeway Realty Co., capital \$30,000, incorporated; R. L. Simpson, T. E. Harris.

Miss., Jackson—Addkinson Realty Co., capital \$40,000, incorporated; Harry H. Addkinson, F. E. Fyke, 1018 Robinson St.

Mo., St. Louis—Tion Corp., chartered; Oscar J. Moberly, 2103 Withnell St.

Mo., St. Louis—Greystone Apartment, Inc., chartered; Roy F. Britton, 110 N. Seventh St.

N. C., Asheville—C. N. Halonem Geo. W. Craig and associates retained E. S. Draper, Landscape Archt., Charlotte, to make complete plans for suburban development; 300 acres of wooded ridge property involved; install water, sewers, electric lights, roads.

N. C., Brevard—Castle Valley Land Co., capital \$100,000, incorporated; C. A. Thomas, 540 Merriman Ave., O. K. Robinson, both Asheville.

N. C., Charlotte—Chimney Rock Terraces, Inc., chartered; G. P. McNeely, Colonial Apts., E. K. Graham.

N. C., Greensboro—Carolina-Florida Land Corp., capital \$50,000, incorporated; R. L. Young, Latham Bldg., Greensboro, M. L. Dave, High Point.

N. C., Highlands—W. W. Sullivan, Sr., J. Pat Sullivan, both Anderson, S. C., acquired 100 acres of land and will develop Cullasaga Heights, subdivision; install electric lights, golf course.

N. C., High Point—S. C. Clark will develop 53 acres for subdivision; install sidewalks, 8-in. terra cotta or cement pipe sewer system and 6-in. cast-iron water pipe, asphalt or concrete streets; expend \$50,000; C. S. Draper, Landscape Archt. and Engr., Charlotte.*

N. C., Marion—Buck Creek Development Co., J. L. Gilkey, A. M. Kistler, will develop 5000 acres in Blue Ridge Mountains for subdivision; build dam 60x325 ft.; covering about 500 acres, power plant, sewer and water works, electric lights, roads and streets; V. G. Johnson, Constr. Engr., Marion.*

N. C., Mount Airy—White Sulphur Springs Hotel Co. will develop golf course, swimming pool and other improvements; E. S. Draper, Landscape Archt. and Engr., Charlotte.

N. C., Pompey's Knob, P. O. Little Switzerland—The Artist Colony, Raleigh, is having plans prepared by Linthicum & Linthicum, 13½ S. Wilmington St., Raleigh, for development of 1000 acres site for cottage colony, combination garage, hydro-electric plant and sewerage plant.

N. C., Southport—Joseph Howes, Peoples United Bank, reported to have option on Battery Island.

N. C., Washington—Frank H. Bowers, Claude L. Carrow and associates interested in tourist resort on Pamlico River; 50 acres with 1 mile beach; construct casino on end of 1000 ft. pier; build boardwalk.

S. C., Beaufort—Christensen Realty Co., 748 Broad St., Augusta, Ga., is developing Beaufort Shores subdivision; will install water, electric lights, streets, wharves, beaches.

S. C., Charleston—Edgewater Park Corp., capital \$27,500, incorporated; R. Norris Lynah, Jac D. Lessemann, 32 Broad St.

S. C., Charleston—Lawrence M. Pickney, 54 Broad St., reported sold to syndicate 2600 acres of land at Isle of Pines for development; construct bridge over Beach Inlet.

S. C., Charleston—Isle of Palms, Inc., capital \$250,000, chartered; Harry Bandy, Bell Bldg., Montgomery, Ala.; E. M. Smith, Birmingham.

S. C., Columbia—Investment Holding Co., capital \$25,000, incorporated; H. Hunter Smith, Wit-Mary Apts.; A. M. Lumpkin.

Tenn., Chattanooga—Southern Realty Co. incorporated; C. L. Miller, T. S. Myers, Hamilton National Bank Bldg.

S. C., Hartsville—Prestwood Land Co., capital \$20,000, incorporated; A. L. M. Wiggins, W. D. Arthur, Jr.

Tex., Houston—San Jacinto Trust Co.,

Humble Bldg., developers of Monona Court, acquire additional land and will develop subdivision; install water, sewers, electric lights, boulevards.

Tenn., Memphis—Commerce Realty Co., capital \$10,000, incorporated; J. L. Dunlap, 1692 Monroe St., John R. Rawlings.

Tenn., Memphis—Frank Dulgach, Ben P. Dulgach, Chicago, Ill., acquired 40 acres; develop subdivision; install water sewers, electric lights, roads.

Tenn., Nashville—Broadway Realty Co., incorporated; E. J. Hamilton, Nichol Bldg., Elliott Adams.

Tex., Crockett—Crockett Orchard Co., capital \$30,000, incorporated; J. C. Miller, Robert D. Ailen.

Tex., Fort Worth—Mount Vernaer Land Co., capital \$25,000, incorporated; P. G. Dedmon, Farmers and Merchants Bldg., F. B. Petter.

Tex., Lubbock—Louis J. Tackett, Panther City Nursery Co., 2001 Handley Blvd., Fort Worth, reported to establish nursery.

Tex., San Jose—Harlandale Development Co., capital \$1,000,000, incorporated; Homer Rogers, L. A. Jackson.

Va., Harrisonburg—Rockingham Apple Growers Corp., capital \$25,000, incorporated; J. H. Deyerle, R. C. Dingleline.

Va., Norfolk—Virginia Shore Development Co., Citizens Bank Bldg. incorporated; W. R. Ashburn, Barham R. Gary.

Va., Portsmouth—Cross Realty Corp., W. J. Crocker, Jr., V. P., Court and Queen St., will develop 57 acres land in Norfolk County for subdivision.

Va., Norfolk—Virginia Shores Development Co., incorporated; W. R. Ashburn, Joseph D. Deal, Citizens Bank Bldg.

Va., Virginia Beach—Ocean Hotel Lease Corp., incorporated; J. Wesley Gardner, M. E. Gardner.

W. Va., Clarksburg—Agnew Realty Co., capital \$10,000, incorporated; R. Wayne Agnew, Empire Bldg.; Wade H. Hoff.

W. Va., Parkersburg—Storck & Smith, Inc., capital \$25,000, chartered; Louis Storck, 1623 21st St., Charles S. Smoot.

Lumber Enterprises

Ala., Talladega—J. W. Camp and J. H. Capps of Chandler Springs will establish planing mill and lumber yard; will also probably manufacture wood specialties.

Ark., Blytheville—Chicago Mill & Lumber Co., will probably rebuild plant, burned at loss of \$450,000.

Fla., Jacksonville—Jacksonville Milling & Manufacturing Co., incorporated; A. E. Simmons, R. J. Odum.

Fla., Miami—Hamlin Lumber Co., 61 N. E. 23rd St., will erect \$10,000 lumber yard at N. W. Second Ave., 46x300 ft., construction begun.*

Ga., Douglas—Pat Darby Lumber Co., incorporated; A. P. Darby, C. M. Stubbs; operate planing and lumber mill.

La., Barham—Weber-King Lumber Co. let contract to Thrall & Shea, 314 Pujo St., Lake Charles, to rebuild burned plant and to J. Y. Dempsey of DeRidder for boiler and fuel house.*

La., Hall Summit—Lindsey Lumber Co. Inc., chartered; J. W. Lindsey, D. W. Stewart.

La., Jackson—J. F. Meeks Lumber Co., Inc., capital \$85,000, chartered; John F. Meeks, Virgil T. Broach.

Md., Cumberland—Tennessee Lumber Co., capital \$50,000, incorporated; Wm. H. Robertson, Phillip J. Arendes.

N. C., Kinston—Hines Bros. Lumber Co., Tiffany Ave., will probably rebuild main plant, burned at loss of \$50,000.*

S. C., Colleton—Colleton Cypress Co., will rebuild saw mill, burned at loss of \$225,000.

S. C., Columbia—C. P. Robinson & Co. incorporated; C. P. Robinson, 1710 Green St.; F. S. Robinson; operate sawmills, etc.

S. C., Moncks Corner—A. L. Shipley & Sons, Inc., chartered; A. L. Shipley, Dan Shipley.

Tenn., Knoxville—Hiwassee River Lumber Co., 220 W. Clinch Ave., increased capital, \$50,000 to \$100,000.

Tenn., Memphis—Mexico Band Mill Co., capital \$50,000, incorporated; M. E. Speeg, L. Leftwich.

Tenn., New River—John L. Dickinson, Pres. Kanawha Bank, Charleston, Va., and Frank Payne, Harrisburg, Pa., reported, acquired 25,000 acres timber land and mill.

Tex., Houston—Keystone Lumber & Supply Co., 4518 Main St., incorporated; Geo. T. Brown, I. Lee Campbell.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Va., Harrisonburg—Harrisonburg Lumber, Mining & Oil Corp., capital \$25,000, chartered; H. W. Wyant, D. O. Dechert.

Mining

Ark., Norman—Arkansas Slate Co., Little Rock, Charles W. Pritts, local mgr., installing machinery to develop slate quarry.

Md., Cardiff—Peach Bottom Slate Products Corp., chartered; Howard G. Clark, Geo. J. Miller.

Mo., Joplin—Fred Childress, acquired Lashmet mine and the Joe Bob mill, will remodel, build 1000 ft. incline from mine to mill, etc.

Okla., Picher—Lee Filius and associates will develop lead and zinc mine, erect mill, etc.

S. C., Liberty—J. F. Bannister, has one 30-acre and one 40-acre tract for rock quarry; would like to get in touch with quarry developers.*

Tex., Burnett—Frank Pavitte Mining Co., capital \$30,000, incorporated; Geo. S. Nalle, Frank C. Pavitte.

Tex., Colorado—Texas Sand & Gravel Co., Inc., installing Lidgewood cableway, laying about 5600 ft. of track, have locomotive; daily capacity of plant 15 to 20 cars sand and gravel; construction by owners.*

Va., Harrisonburg—See Lumber Enterprises.

Va., Roanoke—Virginia-Carolina Soapstone Corp., capital \$50,000, chartered; C. M. Armes, Payne Bldg.; J. A. Jaulson.

Miscellaneous Construction

Ark., Siloam Springs—Swimming Pool—J. K. Livingston, Tulsa, Okla., interested in proposed development of resort by Ozark Co., including swimming pool, fishing lake, etc.

Fla., Boca Raton—Jetties, etc.—Mizner Development Corp. let contract to Dwight P. Robinson Co., Inc., 125 E. 46th St., New York, at \$450,000 for widening inlet to 200 ft. and building 400 ft. jetties into ocean.*

Fla., Hollywood—Boardwalk—Atlantic Shores Corp., 229 S. E. First Ave., Miami, let contract to Spangler & Reed, Hollywood, at \$41,000 for 5400 lin. ft. boardwalk, 30 ft. wide, along ocean front, connecting Hollywood and Atlantic Shores development; Chas. G. Hancock, Engr., 1612 S. W. Twelfth St., Miami; equipment furnished by L. D. Llewellyn, Inc.; D. L. Shackelford Motor Co.; Baker & Holmes, Riverside Vluaduct, Jacksonville; Thomas Sand Co.*

Fla., Pensacola—See Land Development.

Fla., St. Augustine—Seawall, etc.—City contemplates following bond issues: \$450,000 for seawall, fill, street walks and adornment, \$125,000 for central fire alarm station equipment and electric alarm, \$50,000 for boardwalk St. Augustine Beach, \$8000 for refunding loan for Anastasia jetty work and \$20,000 for airship landing field on Anastasia; Eugene Masters, City Mgr.

Fla., St. Petersburg—Incinerator—City, R. S. Pierce, Mayor, votes Nov. 17 on \$1,000,000 bonds for incinerator plant; R. E. Ludwig, Director of Public Utilities.*

Fla., Tavares—Bulkheading, etc.—City contemplates building lake front bulkheading and necessary filling to construct waterfront park, also installation of sewer system; C. R. Horne, City Engr., making preliminary surveys.*

Fla., West Palm Beach—Incinerators—City let contract to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., for two 40-ton incinerators.*

La., New Orleans—Seawalls—See Land Development.

Md., Baltimore—Piers—McLean Construction Co., Fidelity Bldg., has contract at \$45,000 for two piers for Standard Guano Co.'s Cabin Branch plant, 200 ft., wood pile and concrete; piles furnished by J. S. Hoskins Co., Hearst Tower Bldg.

N. C., Marion—Dam—See Land Development.

Okla., Enid—Incinerator—City voted \$25,000 bond for incinerators; John Carr, Mayor.

Okla., Sapulpa—See Drainage, Dredging and Irrigation.

S. C., Beaufort—Wharves—See Land Development.

S. C., Spartanburg—Incinerator—City voted \$75,000 bonds for incinerator. Address City Clerk.

Tex., Galveston—Seawall—Galveston County Commrs. authorize extension of seawall westward from Fifty-ninth St., terminus of Federal seawall and breakwater; plans and estimates by County Engrs.*

Tex., Houston—Incinerator—City receives

low bid from Superior Incinerator Co., Wilson Bldg., Dallas, Tex., at \$79,910 for two incinerator plants, 40 ton daily capacity; J. C. McVea, Engr., City Hall; O. F. Holcombe, Mayor.*

Tex., Houston—Substation—Navigation Commn. received low bid from The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., at \$31,184 for construction of electric substation on north side of turning basin; station will be 3000 k.v.-a capacity and will operate all electric machinery on north side, including the elevator and wharves Nos. 7 and 8.*

Tex., Port Bolivar—Pier—Galveston County Commrs., James A. Boddeker, Commr., contemplates \$200,000 bond issue for building of ferry landing and surfacing about 11 mi. highway; Courtenay C. Washington, County Engr.

Miscellaneous Enterprises

Ark., Blytheville—Blytheville Specialty Co., 324 E. Main St., acquired plant of the O. K. Specialty Co. of Baton Rouge; will manufacture auto polish, tooth paste, etc.*

Ark., Fort Smith—Wilson Coffee Co., capital \$50,000, incorporated; J. E. Wilson, J. K. Jordan, 221 Greenwood St.

Ark., Little Rock—A. C. and George O. Jones, contemplates erecting \$250,000 bakery cor. Cross and Garland Sts., 3-story, brick, concrete, fireproof structure; soon let contracts.

Florida—Florida Investment Syndicate, capital \$1,000,000, incorporated; Howard C. Beck, City Hall, Baltimore, Md.; Glenn H. Leland, Southern Bldg., Washington, D. C., and associates, reported acquired 20,000 acres land in the Everglades; establish plant for production of rubber.

Fla., Clewiston—B. D. Dahlberg, Pres. The Celotex Co., 645 N. Michigan Ave., Chicago, and associates organizing The Southern Sugar Co. and contemplates establishing sugar manufacturing development; ultimate plans call for a 7500-ton mill, built in three units; first unit 1500 tons, second and third units 3000 tons each; have arranged with Smith & Ames, sugar mill Engrs., and Operators of New York and Havana, to supervise the construction of first unit, to be ready for operation early in 1927, daily capacity 1500 tons; preliminary estimates cost of first unit to be about \$1,500,000 for sugar house, \$1,500,000 for yards, transportation facilities, narrow gauge railroads and plantation improvements; another \$1,000,000 is added for working capital and \$3,000,000 for 20,000 acres land; with the building of the sugar mill The Celotex Co. will erect a celotex mill to use the bagasse from the proposed sugar mill and convert into Celotex; this mill will be built by the engineering staff and construction forces of the company and operated as Florida branch of the Celotex Co., first unit to cost about \$1,500,000 and probably begin operation early part of 1927.*

Fla., Coral Gables—Coral Gables Healthatorium, Inc., chartered; John J. Miller, Blaine L. Ramsey.

Fla., Dade City—Dade City Building Co., capital \$100,000, incorporated; E. S. Slough, H. S. Hassey.

Fla., Daytona—City votes in October on \$50,000 bonds for police call and fire alarm system. Address City Clerk.*

Fla., Daytona—Amusement Park—Chateau Lido, Inc., capital \$100,000, chartered; Burwell Thornton, 120 Volusia Ave., Hactor Chatternoe.

Fla., Florida—Underwear—Florida Manufacturing Co., T. M. Weeks, Sec., leased building, installed \$14,000 equipment including button machines, double needle machines, button hole machines and single needle machines, furnished by Singer Sewing Machine Co., Elizabethport, N. Y. and Union Special Machine Co., 400 N. Franklin St., Chicago, Ill.*

Fla., Jacksonville—Franz Safe & Lock Co., Inc., capital \$100,000, chartered, G. R. Franz, Pres.; acquired the Franz Safe & Lock Co., 27 S. Hogan St.; will continue existing business.*

Fla., Miami—Engineering—Kapp & Aber, capital \$20,000, incorporated; John A. Kapp, Jr., Charles Aber.

Fla., Miami—C. Ed Debrauwere Co., capital \$50,000, incorporated; C. Ed Debrauwere, 684 N. W. 7th St., S. J. Newitt; artificial stone manufacturer.

Fla., Miami—O. F. Neilson, of the Miami Creamery Co., N. E. Twenty-seventh St. let contract to Sandquist & Snow, Inc., Calumet Bldg. for \$125,000 creamery plant, 3-story, 102x142 ft., concrete, fireproof, with loading platforms on two sides for truck and rail-

road loading; Bruce Kitchell, Archt., West Palm Beach.

Fla., Miami—Dairy—J. S. Rainey, Dade County Agricultural Agent advises: Formed syndicate and papers are in process of being completed relative to being turned over to the syndicate; preliminary work of digging of ditches, dykes, and construction of roads is in hands of E. R. Graham; completed project will have houses and necessary buildings on all units.

Fla., St. Augustine—Fire Alarm Station Equipment, etc.—See Miscellaneous Construction.

Fla., Telogia—North Florida Naval Stores Co., capital \$20,000, incorporated; O. L. Mitchell, W. P. Shelly.

Fla., Vero Beach—Vero Beach Masonic Building Corp., chartered; B. T. Redstone, K. L. Knight.

Fla., West Palm Beach—Engineering—The Associates; capital \$100,000, incorporated; W. H. Dacarama, C. H. Barnett.

Fla., Winterhaven—Breeze Ice Cream Co., incorporated; C. J. Miller, B. O. Carn.

Ga., Macon—Overall—Adams Manufacturing Co., Fifth St. and Express Alley, will expend \$11,000 on repairing burned plant.*

Ky., Henderson—The Henderson County Fruit Growers' Assn. acquired building, will convert into packing house, establish cider and vinegar factory.

Ky., Irvine—J. W. Wilcox, Sr., reported interested in establishing \$1,000,000 commercial shale distilling plant in Estill County; to be operated in connection with cement refinery and brick plant; will consist of shale oil refinery, brick plant and cement plant; ten units capable of refining 1000 tons of shale daily will be installed.

La., Melville—Henry W. Frith of Bunkle, has contract for ferry, capacity of barge 20 cars.

La., New Orleans—Go-Ro Water Heater Co., Inc., capital \$200,000, chartered; L. M. Pfisterer, Pres., 3717 Palmyra St.; L. C. Parker, Sec., 315 S. Murat St.

La., New Orleans—Non-Plus Lamella Constructions, Inc., capital \$350,000, chartered; A. Dummer, Whitney Trust & Savings Bank; G. W. Leavitt, 3218 St. Charles Ave.; manufacture roofing.

Md., Baltimore—Paramount Construction Co., Baltimore and Holliday Sts., capital \$50,000, incorporated; Vincent L. O'Connor, John L. Mueller.

Md., Baltimore—Clothing—Louis Applefeld, 217 W. Baltimore St., let contract to Louis Ulman, 418 Alsquith St., for \$50,000 building at 201-3 W. Baltimore St., 33x110 ft., brick and steel; Stanislaus Russell, Architect, 11 E. Lexington St.

Md., Baltimore—Clothing—Goldman-Baer Co., 32 S. Paca St., incorporated; Maurice J. Baer, Samuel J. Fisher.

Md., Baltimore—Rex Building Supply Co., 1534 Harlem Ave., capital \$100,000, incorporated; Wm. A. Hoffman, Harry E. Berry.

Md., Baltimore—Electrical Appliances—Electro Chemical Thermostat Corp., 2434 Greenmount Ave., capital \$100,000, incorporated; John L. Brown, Wm. D. Pinkerton.

Md., Baltimore—Drugs—Fischer Pharmaceutical Co., Inc., 1409 E. Pratt St., capital \$30,000, chartered; Isadore M. Fischer, Morris J. Rosenzow.

Md., Baltimore—New Orleans Storage & Terminal Co., Inc., 1231 Calvert Bldg., chartered; W. Howard Hamilton, Walter H. Cook.

Md., Baltimore—Oils—The Island Export Co., 401 Keyser Bldg., incorporated; Wm. Werckenthien, J. Wallace Bryan.

Md., Baltimore—Goldman Brothers Plumbing Co., Inc., 1201 W. North Ave., chartered; Isidor Goldman, Jacob J. Goldman.

Md., Baltimore—Lalor Fuel Oil System Co., Inc., 527 Colvin St., chartered; James D. Lalor, Albert E. Marshall manufacture valves, burners, etc.

Md., Baltimore—The Attucks Apartment Hotel Corp., 1200 Madison Ave., capital \$50,000, chartered; Max Bernstein, R. Walter Crothers.

Md., Baltimore—Atlantic Glass Corp., 1302 E. Baltimore St., chartered; Bernard J. Kalus, Solomon E. Kalus.

Md., Baltimore—Steamship—Atlas American Lines, Inc., 563 Calvert Bldg., capital \$100,000, chartered; Bart L. Stafford, R. Lewis Binder.

Md., Brooklyn—Arrow Soap Manufacturing Co., capital \$500,000, incorporated; Thornley D. Harris, Jr., Garrison M. Norwood.

Md., Cumberland—Undertaking—Louis Stein, Inc., capital \$100,000, chartered; Louis Stein, Geo. C. Frey.

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Miss., Jackson—Coca-Cola Bottling Co., P. L. Borden, owner, plans remodeling building, stucco and brick; estimated cost \$75,000; C. H. Lindsley, Archt., Lamar Life Bldg.

Miss., Jackson—Free Lance Publishing Co., capital \$25,000, incorporated; Theo. G. Bilbo, A. B. Shauber.

Mo., Joplin—Ozark Candy Co., capital \$40,000, incorporated; Fred W. Davis, W. A. Roby.

Mo., Kansas City—P & S Alarm Co., capital \$20,000, incorporated; John L. Trent, 122 S. Bellaire; H. A. Ault, 906 Continental Bldg.; manufacture and install burglary alarm system, etc.

Mo., Springfield—Springfield Stock Yards Co., increased capital, \$100,000 to \$200,000.

Mo., St. Joseph—Poultry Feed and Supplies—Thomas Southard Co. incorporated; Thomas Southard; Marley & Reed, Attys., 918 Scarritt Bldg., Kansas City.

Mo., St. Louis—Midwest Engineering Co., capital \$50,000, incorporated; V. C. McLain, 106 N. Fourth St.

Mo., St. Louis—Engineering—Haynes Corp., incorporated; Frederick R. Shanley, 1808 Railway Exchange Bldg.

Mo., St. Louis—Charlotte Hat Co., incorporated; Charlotte Bender McQuoid, 4632 Westminster Place.

Mo., St. Louis—St. Louis Label Works, 925 N. Eleventh St., let contract to Fruin & Colton Construction Co., Merchants Laclede Bldg., for \$100,000 plant at N. Market and Glasgow St., 3-story and basement, 80x180-ft., brick; Leonard Haeger, Archt., 3844-A Utah St.*

Mo., St. Louis—Stein Wall Paper & Paint Co., Inc., chartered; H. Kasner, A. Walsman, 7211 S. Broadway.

Mo., St. Louis—Advertising—American Scenic Co., incorporated; Tom M. Sheils, Overland, Mo.; John B. Ross, 3816 Greer Ave., St. Louis.

Mo., St. Louis—Arena Amusement Co., capital \$20,000, incorporated; E. Hartman, 4127 Maryland St.; W. Woodward.

Mo., St. Louis—Weinhouse Baking Co., capital \$15,000, incorporated; Juanita H. Weinhouse, 333 Spring St., Webster Groves.

Mo., St. Louis—Peerless Welding & Cutting Co., 917 N. Market St., incorporated; W. A. McCollum, Ed. Heibredner.

North Carolina—Moving Picture Studio, etc.—Mt. Mitchell Assn. of Arts and Sciences, organized, Thomas Dixon, Pres., 867 Riverside Drive, New York City, will establish moving picture studio, erect hotel and auditorium; acquired about 1000 acres land between Little Switzerland and Mt. Mitchell.*

N. C., Asheville—Appalachian Scenic Highway Associated, John H. Cathey, 128 Hillside St.; F. Roger Miller.

N. C., Charlotte—The Grasselli Chemical Co., C. E. Leonard, Cleveland, Ohio, advises: We are not contemplating the erection of plant at Charlotte at this time.*

N. C., Charlotte—The Queen City Printing Co., 14 E. Fourth St., plans erecting new building, acquired site on Fourth St. between Tryon and College St.

N. C., Charlotte—The Locomotive Co., capital \$40,000, incorporated; T. G. Mosely, J. C. Blake, 1901 Bay St.

N. C., Charlotte—Medicines—Peerless Products Co., capital \$25,000, incorporated; A. M. Gray, 468 Louise Ave.; C. M. Hassell.

N. C., Gastonia—The Textile Laboratories, Inc., capital \$100,000, chartered; Caldwell Ragan, E. E. Groves; manufacture leather roller varnish for cotton mill machinery.

N. C., Greensboro—Carolina Printing & Publishing Co., capital \$100,000, incorporated; W. N. Nelson, 903 Lindsay St.; C. C. Stewart.

N. C., Monroe—Hatchery—Highway White Leghorn Farm, organized by James L. Winchester, and Henry L. Austin; will operate commercial hatchery, install 50,000 egg capacity incubator, also operate truck farm.

N. C., Morehead City—The Bogue Supply Co., Bogue Park, will establish general building supply plant; will also probably manufacture concrete products. (See Machinery Wanted—Builders' Supplies and Materials.)

N. C., Oxford—Merchandise—The Landis Co., capital \$100,000, incorporated; M. F. Landis, G. W. Moore.

N. C., Winston-Salem—Dize Awning & Tent Co., 137 N. Main St., capital \$100,000, incorporated; A. T. Dize, T. B. Autrey.

Okla., Tulsa—Plymouth Colthing Co., Inc., capital \$15,000, chartered; O. L. Chancellor, 1179 N. Denver St.; H. M. Marrs.

S. C., Denmark—Edisto Electric Co. incorporated; R. A. Easterling, R. L. Zeigler.

S. C., Greenville—Safety Fireplace Heater Co. organized by J. C. Haley, 662 S. Main St., and others; manufacture fireplace heaters.

Tenn., Kingsport—Kingsport Press, E. W. Palmer, Pres., let contract for 200x75-ft. addition, brick and steel girder construction, composition roof without monitors, steel sash and fire doors, cement floor; to be used for paper storage warehouse.*

Tenn., Knoxville—Sanitary Laundry, Lester Rogers, Owner, 417 Walnut St., let contract to V. L. Nicholson, 102 N. Clinch St., for \$40,000 plant at 721 N. Broadway; equipment purchased; double capacity of present plant.*

Tenn., Nashville—Hermitage Engineering Co., incorporated; T. Fulcher Jones, 2123 8th Ave., S.; S. H. Hailey.

Tenn., Nashville—The Allen Shirt Co. in increased capital, \$300,000 to \$500,000.

Tex., Beaumont—Ferry—B. B. Johnson, Jefferson County Judge, receives bids Oct. 12 for necessary equipment and operation of ferry. (See Machinery Wanted—Ferry.)

Tex., Dallas—Midwest Engineering Co. incorporated; N. E. Busby, 1110 Graham St.; P. L. Porter.

Tex., Dallas—Oriental Rug & Carpet Cleaning Co., H. M. Amirkham, Owner, plans erecting \$45,000 building at 3907 Ross Ave., 1-story, brick or hollow tile, reinforced concrete, 38x9 9ft., foundation to carry additional stories when needed; Sadler & Russell, Archts., Melba Bldg.

Tex., Dallas—Shoe Polish—The Thomsen Co., R. J. McCord, Sec., 201 Elm St., Waco, moving plant to Dallas; leased building, installing additional machinery; will open bids in about two or three months; daily output 120 gross liquid and 200 gross paste shoe polish. (See Machinery Wanted—Shoe Paste Machinery.)*

Tex., Dallas—Dallas Building Corp., incorporated; H. O. McCallon, 5534 Worth St.; C. W. Thompson.

Tex., Fort Worth—Monitor Publishing Co., Louis Morrow and W. B. Renfro, owners, 287 W. Tenth St., receiving bids for printing plant, 1-story, 25x100 ft., brick and stone; L. B. Weiman & Son, Archts., 414 Texas National Bank Bldg.

Tex., Galveston—City let contract to Gamewell Fire Alarm System, Newton Upper Falls, Mass. for modern fire alarm system and to the Seagrave Corp., Columbus, Ohio, for two fire engines, 750 gal. capacity; W. B. Evers, City Fire Marshal.

Tex., Houston—Bealmers Research Laboratory, capital \$10,000, incorporated; Wm. C. Bealmear, W. J. Coulson, Bankers Mortgage Bldg.

Tex., Houston—Fashion Garment Manufacturing Corp., \$10,000, chartered; R. H. Langdon, Leon Redman.

Tex., Laredo—Texas Harvest Hat Co. increased capital, \$20,000 to \$50,000.

Tex., San Antonio—Underwear—Mexican Infants & Childrens Wear Co., Inc., 111 N. Pecos St. and 99 Madison Ave., New York; rented building, installed sewing machines, furnished by Singer Sewing Machine Co., Elizabethport, N. Y.*

Tex., Sonora—Sonora Transportation Co. incorporated; S. ... Hull, Roy E. Aldwell.

Va., Battery Park—Battery Park Fish & Oyster Co., capital \$10,000, incorporated; C. A. Bloxom, J. H. Carter, can sea foods, etc.

Va., Lynchburg—Williams Thornton Electric Corp., capital \$25,000, chartered; Arthur S. Williams, 607 Main St., L. M. Dean.

Va., Norfolk—Midland Engineering Corp., capital \$50,000, chartered; S. M. King, E. A. Billisoly, Law Bldg.

Va., Norfolk—Hampton Roads Transportation Co., capital \$250,000, incorporated; F. J. McGuire, Bankers Trust Bldg.; J. L. Lawless.

Va., Portsmouth—Portsmouth Dairy Co., capital \$25,000, incorporated; J. C. Martin, 214 E. 42nd St.; P. R. Taylor, both Norfolk.

Va., Richmond—Food Products—Bessire & Co., Inc., capital \$200,000, incorporated; E. H. Bessire, Pres.; J. V. Rice, Sec., Goddin Fulton Hill.

Va., Salem—Salem Steam Laundry, Inc., W. H. Pretzman, Pres., will rebuild and equip laundry plant, 1-story, 140x45 ft., brick, concrete floors, metal roof; estimated cost \$15,000; install complete laundry equipment. (See Machinery Wanted—Oil Burning Equipment.)

W. Va., Bluefield—Bluefield Dairy Co.,

capital \$25,000, incorporated; C. C. Wright, P. L. Wilmoth.

W. Va., Clarksburg—National Carbon Co., Inc., 30 E. Forty-second St., New York, advises: "Have completed plans to expand plant by installation of another furnace, together with an overhead crane; cost to exceed \$150,000; contract has not been let; all engineering and construction with exception of installation of crane will be by National Carbon Company Organization."

W. Va., New Martinsville—National Bread Raiser Co., capital \$25,000, incorporated; V. M. Hall, A. E. Patterson.

Motor Bus Lines and Terminals

Fla., Lakeland—Nick Burns Co., operating bus line in connection with land development has ordered additional equipment.

Fla., Orlando—Jacksonville-Miami Bus Co., capital \$1,000,000, incorporated; Webb Jay, Pres., 910 S. Michigan Blvd., Chicago, Ill.; Frank Jay, Sec., 169 Washington St., Newton, Boston, Mass.; reported will operate bus line in conjunction with the Orange Belt Auto line, about 106 buses; main office and bus terminals in Orlando.

Fla., Tampa—Florida Interurban Rapid Transit Railway Co., organized with C. A. Owens, Pres., 52 E. 97th St., New York; D. C. Fentlemaker, Gen. Mgr.; establish transit system, terminals to be Tampa and St. Petersburg; also operate special sightseeing buses.

La., Shreveport—Shreveport Motor Bus Co., capital \$80,000, incorporated; W. B. Massey.

Md., Baltimore—Conaway Motor Co., has permit to operate bus line from Baltimore to Emmitsburg via Taneytown, Westminster and Reisterstown.

Md., Salisbury—Shore Transit Line, Inc., Lee Webster Selfe, Pres., acquired the Vernon M. Barnett Bus Lines, operating between Chestertown and Tolchester Beach ferry; will operate.

Miss., Jackson—The Mississippi Coaches, Inc., capital \$25,000, chartered; W. W. Garth, Gen. Mgr.; will establish motor bus line from Jackson to McComb, Vicksburg and Yazoo City; later will extend line.

Okla., Blackwell—The Kennedy Bus Co. will establish motor bus line between Tulsa and Blackwell.

Okla., Sapulpa—Red Ball Bus Co., capital \$8000, incorporated; L. P. Milam, C. B. McAllister.

Okla., Tulsa—Union Transportation Co. has permit to operate motor bus line in southwestern section of city.

S. C., Columbia—Columbia Railway, Gas & Electric Co. will probably establish motor-bus system.

Va., Portsmouth—Portsmouth Consolidated Bus Corp., J. M. Overton, Pres., contemplates purchasing additional equipment.

Va., Richmond—Virginia State Corp. Comsn. issues permit to Washington-Luray Bus Co. for service line between Washington and Luray.

Motor Cars, Garages, Filling Stations

Ark., Pine Bluff—Super Service Co., capital \$50,000, incorporated; C. K. Elliott, Sr., C. K. Elliott, Jr.; will erect filling station at Fourth and Walnut St., brick with double concrete driveways, capacity eight automobiles at one time.

D. C., Washington—Iroquois Engineering Co., Inc., Homer Bldg. will erect \$25,000 garage in southeastern section of city; 2-story, fireproof.

D. C., Washington—Dist. Commrs., Room 509 Dist Bldg., receives bids Sept. 30 for garage addition to Police Station No. 12.

Fla., Groveland—Edge Mercantile Co. let contract to John N. Nelson for filling station cor. Lake Ave and Broad St., tile and stucco.

Fla., Homestead—Studstill's Garage, M. S. Studstill, erecting \$12,500 filling station and garage, two 50x75 ft. each, frame stucco, Spanish style, concrete floors, built-up roof, construction by owner; will install garage machinery. (See Machinery Wanted—Garage Machinery.)*

Fla., Miami—Miami Cadillac Co., 1740 N. E. 2nd Ave., let contract to P. J. Davis Construction Co., Calumet Bldg., for \$20,000 garage at 174 N. E. Second St.; H. G. Fink, Archt., Congress Bldg.

Fla., Plant City—Standard Oil Co., C. D. Swingley, local Mgr. has permit for brick filling station cor. Wheeler and Cherry St.

Ga., Augusta—Ferst Motors, Inc., capital \$10,000, chartered; Leon M. Ferst, Miller Kaminsky.

La., Alexandria—Bradford Price Motors,

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Inc., capital \$20,000, chartered; H. F. Bradford, Glenn Bradford.

La., Shreveport—Segall Tire Co., 2010 Commerce St., Dallas, Tex., will erect \$30,000 auto service, garage and filling station on Marshall and Crockett St., 80x150-ft., brick.

Md., Baltimore—Olmstead & Moore, Inc., North and Madison St., chartered; Charles E. Moore, Byron D. Greene.

Md., Baltimore—K. & G. Sales Co., 1305 Maryland Ave., let contract to Eli Talles, 4042 Bonner Road, for \$10,000 building at 1303 Maryland Ave., 2-story, 40x26-ft., brick, slag roof, steam heat; Stanislaus Russell, Archt., 11 E. Lexington St.

Miss., Jackson—Edwards Hotel Co. has plans by C. H. Lindsley, Archt., Lamar Life Bldg., for \$100,000 garage, 2-story, with roof for parking space.

Miss., Leakeville—Standard Oil Co. let contract to Phil Lebel, Leakeville, for oil distributing station, 1-story, 30x40-ft., brick building, with two-way concrete drive.

Mo., Kansas City—E. Saulsbury will erect \$122,000 garage at 3526 Broadway.

Mo., St. Louis—The Tire Clearing House, capital \$25,000, incorporated; Louis H. Steinberg, 108 N. Kings Highway; Wm. Zachritz, 432 Pierce Bldg.

N. C., Asheville—Western Carolina Auto Co., capital \$100,000, incorporated; J. H. Lango, Alexander; J. G. Adams.

N. C., Asheville—Newton-Alexander Motor Co., capital \$50,000, incorporated; C. E. Newton, Thomas Mott.

N. C., Asheville—Brown Motor Sales Co., Inc., organized; Oscar D. Brown, Pres., John L. Groome, Sec.; acquired Bryant motor Sales Co., at 17 N. Market St., will remodel.

N. C., Pompey's Knob, P. O. Little Switzerland—See Land Development.

N. C., Raleigh—Carolina Power & Light Co., A. W. Thompson, Chf. Engr., receives bids Oct. 6 for 60x110-ft. garage on West St.

S. C., Chester—Clarence C. Young let contract to Yandle & Burris, of Chester, for filling station on N. Saluda St.

S. C., Florence—Yellow Cab & Transfer Co., incorporated; W. J. Wilkins, W. W. Wilkins.

Tenn., Kingsport—94 Taxi Co., will occupy portion of new building on Main St., to be erected by George and Jim Vavilides, 2-story, 25x55 ft., brick.

Tenn., Knoxville—Red & Gray Tire Co., 404 Walnut St., building \$15,000 drive-in filling station and shop.

Tenn., Nashville—Bearing & Gear Service Co., incorporated; F. M. Payne, Edward Finley.

Tenn., Smithville—J. E. Evans acquired 50x100-ft. site cor. Main and College St.; will erect \$10,000 filling station, garage and bus station; Tisdale, Stone & Pinson, Archts., Indiana Bldg., Nashville.

Tex., Beaumont—Andrus Motors, Inc., capital \$30,000, chartered; Tom Andrus, 592 Center St., Glenn B. Haines.

Tex., Beaumont—Bowles Motor Co., capital, \$4500, incorporated; O. S. Hunter, 1036 Liberty St., Vernon J. Gilbert.

Tex., Dallas—Lawrence F. Wilson, 2922 Swiss Ave. let following contracts for \$150,000 garage building; to The Watson Co., 1927 S. Akard St. for 3-story, 131x250-ft. building; to Mosher Steel & Machinery Co., 900 S. Austin St. for steel; to C. L. Shaw, 1704 Commerce St. for brick work; to Dougherty-Duke Roofing Co., 2424 Combs St. for roofing; to Cannon & Kofahl, 1709 Jackson St. for metal work; Fred F. and C. F. Peterson, Archts., 1005 Mercantile Bank Bldg.

Tex., Greenville—J. T. Glover has contract for 27x108-ft. brick building on W. Lee St., to be occupied by Nevill Motor Co.

Tex., Happy—Bangle Motor Co., incorporated; J. C. Hayes, J. P. Williams.

Tex., Houston—Auto Service Co., incorporated; Wm. J. Stinger, W. A. Richardson.

Tex., Humble—Humble Motor Co., capital \$10,000, incorporated; J. H. Glass, W. M. Mitchell.

Tex., Ranger—Geo. J. McManus, 1304 N. Beckley Ave., Dallas will erect 85x130 ft. garage and 50x60 ft. filling station, 1-story, brick and concrete.

Tex., San Antonio—A. G. Fischer, 300 Throckmorton St., let contract to Harry B. Friedman, 402 First National Bank Bldg., for \$60,000 garage and salesroom, 2-story, brick, stone and reinforced concrete; fireproof; W. G. Clarkson & Co., Archt., First National Bank Bldg.

Tex., Van Alstyne—Kendall Motor Co.,

capital \$15,000, incorporated; Leslie Cloar, E. L. Lehmann.

Va., Richmond—American Trade-Financing Corp., New York, reported, contemplates erecting \$1,250,000 automobile storage building, co. Seventh and Franklin Sts., to be known as Richmond Motor Marts; the plans call for steel, hollow tile and brick structure, 100x145 ft., with storage capacity of 1000 cars daily; install elevators and equipment for refueling, greasing cars, etc.; R. T. Lipscomb, 165 Broadway, N. Y., representing Corp.

W. Va., Charleston—State Board of Control, State Capitol Bldg., J. S. Lakin, Pres., will erect 4-car 24x38-ft. garage building, with servants quarters over and with wing 12x17ft., 2-story with part basement; non-fireproof; brick walls, hollow tile; limestone trim slate roof; concrete, tile and wood floors; open bids Sept. 30; Walter F. Martens, Archt., Morrison Bldg., Charleston.*

Railway Shops and Terminals

Fla., St. Petersburg—City votes Nov. 17 on \$100,000 bonds for eight double-truck street cars; \$92,000 for additional trackage and \$193,000 bonds for new car barns; R. S. Pierce, Mayor; S. S. Martin, Director of Finance.*

N. C., Raleigh—Carolina Power & Light Co., A. W. Thompson, Ch. Engr., will erect car barn on West St., 110x240 ft.; receives bids Oct. 6 on building complete, also on sub-bids; plans with Engineering Dept.

W. Va., Muleshoe—Roberts & Schaeffer Co., Engrs. and Contrs., Wrigley Bldg., Chicago, Ill., have contract to furnish steel structures and machinery for sand handling plant for sanding electric locomotives of the Virginia Railway Co.; general erection of equipment will be done by Gibbs & Hill, Railway Terminal Engrs., New York City.*

Roads, Streets and Paving

Proposed Construction

Ala., Birmingham—City Comm., plans expending \$62,410 to pave 3 streets and alley, lay sidewalks, curbs and gutters, and install sanitary sewer.

Ala., Huntsville—Madison County plans paving road north of Huntsville to Tennessee State line; contemplates \$400,000 bond issue. Address County Commrs.

Ala., Huntsville—Madison County Commissioners have tentative plans for paving Meridianville pike from city limits to Normal.

Ala., Opelika—State Highway Comm., Montgomery, receives bids Oct. 14 for 5.54 mi. road between Opelika and Auburn, Lee County, 11,641 cu. yd. common solid rock and borrow excavation, 58,600 sq. yd. one course plain cement concrete, rock asphalt, sheet asphalt, bituminous concrete. Warren's bitulithic, with following base courses, combination cement concrete header curbing base course, with Portland or Puzzolan cement and 4-in. compacted black base; plans on file, and from State Highway Engr.*

Ala., Sheffield—City plans widening to 45 ft. and paving with asphalt, Jackson Highway from Second St. Sheffield to Broadway contemplates \$211,000 bond issue. Address City Clk.

Arkansas—State Highway Comm., Little Rock, receives bids soon for 2 roads and bridge: Ouachita County, 8½ mi. gravel, between Camden and Stephens; Johnson County, 6½ mi. asphalt surface, Little Rock-Fort Smith road; Craighead County, steel and timber bridge on Jonesboro-Walnut Ridge Rd.

Ark., Conway—City plans street paving in Dist. No. 12. Address City Clk.

Ark., Little Rock—Charles G. Ryan, Commissioner of Missouri and North Arkansas Highway Dist., plans paving 5 blocks on Main St. with asphalt; also 1 mi. 24-ft. concrete road, from end of Thirteenth St., paving across Dark Hollow; plans ultimately to pave Dark Hollow cut-off from North Little Rock to Prothro's Gin.

D. C., Washington—Dist. Commrs. receive bids Oct. 8 to grade about 35,100 cu. yds. streets; plans on file at Room 427, Dist Bldg.

Fla., Avon Park—See Land Development.

Fla., Blountstown—City plans street paving; contemplates bond election. Address City Clk.

Fla., Bradenton—Manatee County Commrs receive bids Oct. 5 to build roads, including road from Bayshore road to Piney Point, approximately \$1,400,000; also bridge between Anna Maria and Longboat Keys, approximately \$100,000; contemplates \$200,000 bond issue; H. C. Stancliff, Clk.; Geo. A. Ralph, County Engr.*

Fla., Clearwater—See Land Development.

Fla., Daytona—See Land Development.

Fla., Daytona—City, H. B. Cassin, City Mgr., plans street paving; may vote in Oct. on \$600,000 to \$700,000 bonds.*

Fla., De Land—Volusia County Commrs., W. P. Wilkinson, Chmn., receives bids Oct. 5 for 7.3 mi. rock base course and surface treatment, concrete culverts, clay or concrete pipe culverts and appurtenances, on Orange City-Enterprise Special Road and Bridge Dist.; plans on file or from N. A. Hotard, Engr., New Smyrna.

Fla., Fernandina—Nassau County Commrs. plan additional permanent highways, including road from Fernandina to Amelia Beach; from Fernandina to Fernandina-Yulee project; vote Oct. 20 on \$580,000 bonds; N. A. Hotard, Engr., New Smyrna.

Fla., Frostproof—Town plans additional paving votes Oct. 20 on \$270,000 bonds. Address Town Clk.

Fla., Gaines City—See Land Development.

Fla., Jupiter—See Land Development.

Fla., Kissimmee—G. W. Sawyer and C. C. Atkins, owners of New Eden on Lakes Subdivision, near St. Cloud, plan 6 mi. hard surfaced road through subdivision.

Fla., Lakeland—See Land Development.

Fla., Miami—See Land Development.

Fla., Miami—Dade County Special Road and Bridge Dist., Nos. 3 and 2 plan Everglades Ave. causeway; voted \$650,000 bonds; also 20 mi. road, voted \$300,000 bonds. Address County Commrs.*

Fla., Miami—See Bridges, Culverts, Viaducts.

Fla., Mulberry—City plans paving 8 streets with asphalt, including Canal, Main, Arch; contemplates \$59,000 bond issue. Address City Clk.

Fla., Orlando—Orange County Commrs plan widening Washington St. to 40 ft.; extend Wall St. through county property to Main St., and build street from Wall to Washington on west side of Bishopstead.

Fla., Pensacola—See Land Development.

Fla., Punta Gorda—Charlotte County Commrs. plan 93 mi., reaching into every section of county; vote Oct. 12 on \$1,788,895 bonds.

Fla., St. Augustine—See Land Development.

Fla., St. Augustine—City, Eugene Masters, City Mgr., plans extending Riberia St., from North San Marco Ave. to King St., contemplates \$125,000 bond issue; plans asphalt brick streets, \$25,000 bonds.

Fla., St. Augustine—St. Johns County Commrs., L. A. Brazwell, Comm., plans building State Roads Nos. 47 and 14; contemplate \$2,000,000 bond issue.

Fla., Tampa—Hillborough County plans 70 mi. hard surfaced lateral roads in Commrs. Dist., No. 4, votes Oct. 6 on \$1,100,000 bonds; W. E. Dickerson, County Clk.

Fla., West Palm Beach—See Land Development.

Fla., West Palm Beach—Palm Beach County plans expending \$600,000 to widen 50 mi. Dixie Highway; Geo. O. Butler, County Engr.

Ga., Athens—Clarke County Commrs. of Roads and Revenues, plan paving 2½ mi. Danielsville Road from end of present pavement to County line, estimated cost \$65,000.

Ga., Clarksville—Habersham County plans road building; will vote on bonds. Address County Commrs.

Ga., Columbus—Muscogee County Commrs. plan paving 5 highways; may vote latter part of Oct. on \$1,650,000 bonds; R. H. Barnes, Clk.*

Ga., Decatur—DeKalb County Highway Commrs., L. T. Nash, Commr. of Roads and Revenues, plan paving road from city limits of Stone Mountain to Confederate Memorial monument.

Ga., Fitzgerald—City, J. H. Mayes, Mayor, plans street paving; voted bonds.*

Ga., Hartwell—Hart County plans improving roads in militia districts and Bankhead highway in County, from Franklin County line to Savannah River; votes Oct. 14 on \$200,000 bonds. Address County Commrs.*

Ga., Quitman—Brooks County contemplates macadamizing Quitman-Madison road, from Quitman to Florida line. Address County Commrs.

Ga., Tifton—Tifton County Commrs. plan grading and paving National Highway through county, from Cook County line north; E. Jack Smith, Div. Engr.

Ga., Waycross—City Comm. authorized paving 103 blocks streets with asphalt or rock; contemplates paving 22 additional blocks.

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Ky., Frankfort—Franklin County, N. B. Smith, Judge, plans expending \$20,000 toward rebuilding road from Frankfort city limits, near Bellepoint, on Bald Knob road, toward Hendry County line.

Ky., Henderson—City, Clay F. Hall, Mayor, receives bids Sept. 28 for concrete pavement on Atkinson St. from Washington to Pringle, and from Washington to city limits; concrete pavement, curb and gutter on Adams St., between Dixon and Clay St.

Ky., Hodgenville—State Road Dept., Frankfort, receives bids in Oct. to grade and drain and later to macadam surface $5\frac{1}{2}$ mi. road in LaRue County, and 12 mi. in Green County; plans on file.*

Ky., Mt. Sterling—City, W. R. McKee, Mayor, receives bids Sept. 29 for about 17,000 yd. paving, and 15,080 ft. concrete curb and gutter; plans on file.

La., Amite—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, plans building Lake Shore section of Hammond-New Orleans highway, cost \$1,400,000; W. B. Robert, State Highway Engr.

La., Baton Rouge—East Baton Rouge Parish Police Jury plans hard surfacing 2 roads: 14 mi. Jefferson Highway from Baton Rouge to East Baton Rouge Parish line at Hope Villa; Hammond-Baton Rouge Highway from Jefferson Highway to Amite River Bridge; plans bond issue.

La., Benton—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids Oct. 15 for 6.28 mi. gravel Minden-Shreveport highway, from point east of Shreveport to Webster Parish line, plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel.)

La., Harrisonburg—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, plans letting contract for road from Sicily Island to Clayton; also bridge across Tensas River; W. B. Robert, State Highway Engr.

La., Monroe—Ouachita Parish Police Jury contemplates paving 24 mi. road leading into Monroe, including 7 mi. hard surfacing, Dixie Overland, west of Monroe; 7 mi. Lone Star Route, south of Monroe; 2 mi. Winnsboro road; 4 mi. Dixie Overland, east of Monroe, past Monroe-Sicard paved highway; 4 mi. north of Monroe from intersection Lone Star Route and Dixie Overland highway.

La., New Orleans—See Land Development.

Md., Baltimore—City, Board of Awards received low bid from H. O. Firor, 1707 W. Pratt St., at \$16,500, to grade Doldfield and Overland Ave. and Druid Lake Drive; Howard W. Jackson, Mayor.

Md., Baltimore—Treasury Dept., Jas. A. Wetmore, Acting Supv. Archt., receives bids Oct. 9 to extend and remodel roadways, including all incidental changes and repairs at U. S. Marine Hospital, Baltimore; plans on file and from Medical Officer in Charge of U. S. Marine Hospital.

Md., Baltimore—Board of Awards receives bids Sept. 30 at office of City Register, F. A. Doldfield, to grade, curb and pave with sheet asphalt on concrete base, streets in Cont. No. 302-OCOANA, 16,000 sq. yd.; plans from Bureau of Highways, Stuart Purcell, Highways Engr., 214 E. Lexington St.

Md., Baltimore—Board of Estimates approved plans to grade, curb and pave sections of 10 streets, including 29th, Rosedale, 30th; estimated cost \$83,000; Stuart Purcell, Highways Engr.; Howard W. Jackson, Mayor.

Md., Hagerstown—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids Sept. 29 for .66 mi. penetration macadam along Frederick St., Hagerstown, from city limits to B. & O. R. R. crossing; Cont. W-42; John N. Mackall, Chmn., L. H. Stuart, Sec.

Md., Rockville—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids Sept. 29 for .33 mi. concrete surfacing of Silver Springs undergrade approaches; also bridge over Sligo Branch, on road from Sligo to Burnt Mills, battery of six 5-ft. diameter corrugated metal pipes encased in concrete; John N. Mackall, Chmn.; L. H. Stuart, Sec.

Md., Towson—Baltimore County Commrs., John R. Haut, Ch. Clk., receives bids Sept. 29 to grade 1.07 mi. Mt. Wilson road, Third Dist.; plans from Samuel A. Green, Roads Engr.

Md., Upper Marlboro—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Maryland Construction Co., Baltimore, at \$16,211 for 2 mi. gravel road, from end of Cont. P-36 to Piscataway, Prince Georges County.*

Miss., Gulfport—Harrison County Board of Supvrs. receives bids Oct. 6 to improve 2 roads: Pave Old Spanish Trail, with 2-in.

Warrenite bitulithic wearing surface, from Jeff Davis Ave., Long Beach, to Menge Ave., Pass Christian, 24,900 sq. yds.; re-surface 12,000 sq. yds. old Rocmac pavement on section Old Spanish Trail in Beat No. 2; erect 3 creosoted pile bridges on Saucier-Ramsey Springs road, Beat No. 5; W. S. Hawkins, Consol. Engr.

Miss., Gulfport—Yellen Brothers, 45 W. 27th St., and associates, New York, let contract to Southern Paving Construction Co., Volunteer Life Bldg., Chattanooga, Tenn., for sidewalks, curb, gutter, and paving in Gulf Shore Manor development; W. S. Hawkins, Consol. Engr.

Miss., Hattiesburg—City Commrs. plan paving streets and constructing bridges and concrete culverts; votes Sept. 22 on \$30,000 bonds: \$20,000, paving; \$10,000, bridges, culverts.

Miss., Magnolia—Pike County Board of Supvrs. receive bids Oct. 8 to grade, gravel, etc., about 15 mi. state trunk road, between McComb and Walkers Bridge, estimated cost \$125,000.

Miss., Philadelphia—Neshoba County Board of Supvrs., R. G. Moore, Chancery Clk., receives bids Oct. 8 to haul and place gravel on Philadelphia and Carthage road from Williams Brothers store to end of gravel, and on Philadelphia and DeKalb road from corporation line east to east end of gravel.

Miss., Vicksburg—Warren County Highway Comm., Geo. M. Sulduth, Sec., receives bids Oct. 6 for 2.87 mi. earthwork and drainage structures for gravel road-bed on Jeff Davis Highway, between South Scenic Highway and Jeff Davis Academy, 12,586 cu. yds. common excavation; plans on file and from County Highway Engr.

Miss., Winona—Columbus-Greenville Highway Assn., organized; Walker Wood, Pres., Winona; J. E. Clayton, Sec., Columbus; interested in completing hard-surface highway across Mississippi, between Columbus and Greenville.

Mo., Moberly—City plans paving Sturgeon St. from Coates to Reed. Address City Clk.

Mo., Neosho—City plans paving McKinney St. from Hamilton to K. C. S. tracks. Address City Clk.

Mo., Springfield—City plans paving, curbing Court St. between Robberson & Campbell Aves.; also plans concrete curbing with integral curb on Fort Ave., and amelsite paving on Commercial St., between Benton and Boonville Ave. Address City Clk.

Mo., Springfield—City plans improving Douglas St. from Commercial to Hovey. Address City Clk.

Mo., Springfield—City plans improving roadway of Douglas Ave. from Commercial to Hovey St. Address City Clk.

Mo., St. Joseph—City plans grading Highly and Tenth St., paving 8 streets and 2 alleys, including Mary, Ridenbaugh, Jackson and repaving 3 streets, including Edmond, Atkinson. Address City Clk.

Mo., St. Joseph—City plans paving and laying sidewalks on 10 streets. Address City Clerk.

Mo., St. Joseph—Board of Public Works will receive bids to grade Carnegie St. from Alabama to Indiana St.

Mo., Warrensburg—City plans curbing and paving North St. from Holden to Washington Ave. Address City Clk.

North Carolina—State Highway Comm., Raleigh, receives bids Oct. 13 for 19 roads and bridge: Nash and Edgecombe Counties, 16.9 mi., Route 40, from Tar River north to Halifax County line; Wilson County, 10.18 mi. to Nash County line; Camden and Currituck Counties, 11.83 mi. paving, between Camden and Sligo; Johnston County, 12 mi. grading and bridges from Wilson County line towards Smithfield; 13.24 mi. paving, Route 10, from grading and bridges, Route 91, from Wilson Smithfield to Wayne County line; Cumberland County, 9.5 mi. Route 22, from Fayetteville toward Dunn.

In New Hanover County, 7.59 mi., Route 2, from Wilmington to Wrightsville Sound; Robeson County, 12.38 mi. grading and bridges, Route 20, from Lumberton to Boardman; Warren County, 8.5 mi. grading and bridges, Route 45, between Macon and Littleton; Wake County, 9.9 mi. grading and bridges, Route 90, from end of Project 487-A to eastern corporate limits of Wendell; Davidson County, 14.5 mi. grading and bridges, Route 64, from end of Project 523 to Forsythe County line; Iredell County, bridge over Rocky Creek, Route 76; Anson County, 7.53 mi. paving, Route 20, between Lilesville and Pee Dee River.

In Caswell County, 12.08 mi. paving, Route 14, from Yanceyville to Virginia line; Rockingham County, 5 mi. top soil, Route 60,

between Liberty and Staley; Halifax County, 14.9 mi. Route 40, from Halifax south to Edgecombe County line; Stokes County, 11 mi. grading and bridges, Route 89, from end of Project 753-A, to Danbury; Burke County, 7.35 mi. paving from eastern city limits on Morganton to bridge east of Valdese; Cleveland County, 10.13 mi., Route 20, from Shelby to Rutherford County line; Haywood County, 4.5 mi. grading and bridges, Route 10, from Haywood County line to Canton.

N. C., Asheville—See Land Development.

N. C., High Point—See Land Development.

N. C., Sylva—State Highway Comm., Raleigh, plans hard surfacing 12 mi. road between Sylva and Balsam, and 14 mi. road from Sylva, to fork of river, via Cullowhee; Jackson County voted \$500,000 bonds.

N. C., Warrenton—Warren County Commrs. Creek Township plan laying out, repairing, grading, building, etc., roads in township; voted \$20,000 bonds; J. M. Gardner, Clk.*

N. C., Wilson—Wilson County Highway Comm., receives bids Oct. 16 for 9.15 mi. 16-ft. State Highway Route No. 91, through Stantonsburg, to Ruffin's Bridge, 86,262 sq. yd. concrete, asphalt or other type pavement, 45,700 cu. yd. common and ditch excavation; T. M. Washington, Chmn., plans on file and from W. W. Rankin, Engr.

N. C., Zebulon—Town, E. C. Daniels, Mayor, receives bids Sept. 25 for 8000 sq. yd. Topeka pavement; plans from R. D. Gladding, Engr., Darley-Watson Bldg., Wilson, N. C.

South Carolina—State Highway Dept., Columbia, received low bids for 6 roads and 4 bridges: Greenville County, .965 mi. mard-surface Greenville-Travelers Rest, from Piedmont and Northern R. R. tracks to Franklin road, Slattery & Henry, Mills Bldg., \$28,500; 3.460 mi. paving, Greenville-Travelers Rest, Route No. 21, Slattery & Henry, plain concrete, \$110,684; sand-clay surface section Johnsonville-Lake City, toward Johnsonville, J. E. A. Branyon, Honea Path, \$45,629; sand-clay surface Johnsonville-Lake City, toward Lake City, W. C. Carter, Mebane, \$57,973; Greenville and Anderson Counties, .777 mi. top-soil earth approaches to Dunham's Bridge, State Route No. 8, J. T. Blessingame, 237 Rhett St., Greenville, \$5296; Edgefield County, 6.325 mi. Pine House-Johnson road, State Route No. 19, McKenzie & Johnson, Abbeville, \$25,001; 73-ft. reinforced concrete bridge over Tidewater Creek on Beaufort-Yemassee road, A. W. Obenshain, Sumter, \$9109; 85-ft. treated timber bridge, Furmer & Phillips, Leesville, \$5141; three 255-151 and 151-ft. bridges on Lake City-Johnsonville road, J. L. Carroll, 2030 Divens St., Columbia, \$15,009.*

South Carolina—State Highway Dept., Columbia, receives bids Sept. 29 for 2 roads: Newberry County, 5.906 mi. Newberry-Whitmore, on State Route No. 19 from 13.7 mi. from Newberry to Whitmore; 75,190 cu. yds. common and rock excavation, 18,324 cu. yds. top soil surfacing, 10,074 lbs. reinforcing steel; also 284-ft. reinforced concrete bridge over Duncan Creek; Saluda County, 10,073 mi. Batesburg-Prosperity, on State Route No. 291, from Lexington County line to point near Black's steel bridge, near Newberry county line; 67,102 cu. yds. common and rock excavation, 31,540 cu. yds. top soil surfacing, 14,180 lbs. reinforcing steel; plans on file and from Div. Engr.; Samuel McGowan, Ch. Highway Commr.

S. C., Beaufort—See Land Development.

S. C., Charleston—State Highway Dept., Columbia, receives bids Sept. 29 for earth approaches to King St. Bridge, over Southern & A. C. L. Railways, about 5 mi. from Charleston, on State Route No. 2, between Charleston and Summerville, 10,713 cu. yd. embankment; plans on file and from A. T. Brown, Div. Engr., Scoville Bldg., Orangeburg; Samuel McGowan, Ch. Highway Commissioner.

S. C., Charleston—Citizens & Southern Co., 24 Broad St., James Conner, Res. Mgr., acquired Folly Beach Corp. and Folly Roadway Co.; plan hard surfacing roads and causeways, between toll gate and island, improve roadways on island, open new roads, and construct new and wider bridges across Folly River and intervening waterways.

S. C., Dillon—State Highway Dept., Columbia, receives bids Sept. 29 for 4.34 mi. State Route No. 23, from Marion-Dillon County line to point in Latta, 32,116 cu. yd. common excavation, 10,680 cu. yd. sand-clay surfacing, 11,100 lbs. reinforcing steel; plans from State Highway Engr., Columbia, and J. M. Martin, Div. Engr., Florence.

S. C., Greenville—State Highway Comm., Columbia, contemplates paving Buncombe road from Travelers Rest, Greenville County, to

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North Carolina line. Address State Highway Engr.

S. C., Greenwood—City, E. P. Norwood, Chmn. of Street Committee, plans paving Court St. from S. Main to courthouse yard with Kentucky asphalt.

S. C., Newberry—City plans 4 mi. street paving, water and sewerage improvement; plans \$125,000 bond election. Address City Clk.

S. C., Pickens—State Highway Dept., Columbia, plans hard surfacing State Highway No. 2, Pickens County, from Greenville to Liberty via Easley.

S. C., Spartanburg—City plans street and sidewalk improvement; voted \$790,000 bonds. Address City Clk.*

Tenn., Kingston—Board of Aldermen, J. S. Parker, Recorder, receives bids Sept. 30 for 6,080 sq. yds. macadam with bituminous surface treatment; plans on file or from Klyce & Harub, Engrs., 506 Fourth and First National Bank Bldg., Nashville.

Tenn., Knoxville—City plans paving 24 streets; contemplates \$250,000 bond issue. Address City Clk.

Tenn., Memphis—See Land Development.

Tenn., Nashville—Chamber of Commerce interested in improving and straightening streets in Nashville, improve Jackson and Dixie Highway in Tenn. and build circular boulevard around Nashville.

Texas—State Highway Comm., Austin, received low bids for 18 roads: Hall County, Sec. E., .88 mi. and Sec. F., 11.57 mi. McClung Construction Co., Cleburne, \$66,703; Sec. J., 1.12 mi. R. B. Stroup, Wichita Falls; Cass County, 5.64 mi. B. F. Brooks, Slaughter Bldg., Dallas, \$55,370; Jones County, 9.68 mi. H. J. Evans, 500 W. 15th St., Austin \$47,261; Bowie County, 3.98 mi. G. G. and C. W. Burgess, 2807 English St., Dallas, \$41,594; Madison County, 10.18 mi., Smith-Boyette & Co., Bryan, \$59,575; Ward County, 11.13 mi. F. P. Holt, Sanderson, \$138,141; Atascosa County, Sec. A., 8.37 mi. Henry Kyle, Hutto, \$28,903; Sec. B., 9.09 mi. H. J. Evans, \$27,246; Sec. C., 8.25 mi. H. J. Evans, \$35,204; bridge, Armstrong & Armstrong, San Antonio, \$55,261; 4.69 mi. Henry Kyle, \$19,488; Ellis County, 5.89 mi. L. B. Everett, McKinney, \$23,782; 4.83 mi. McClung Construction Co., \$44,978; Tarrant County, 1.20 mi. Purvis & Lowery, N. T. Wagner Bldg., Fort Worth, \$32,140; 7.71 mi. Tibbets Construction Co., 209½ W. Eighth St., Fort Worth, \$83,432; Grooms County, 6.15 mi. Buckner, Austin, \$70,163.*

Texas—State Highway Comm., Frank V. Lanham, Chmn., will receive bids soon for 2 roads: Liberty County, 22.47 mi. with Bates Section concrete paving and 6 mi. shell; Madison County, 18.01 mi. grading and bridges on State Highway No. 32; R. J. Hank, State Highway Engr.

Tex., Abilene—Taylor County, Carlos D. Speck, County Judge, plans 10 mi. bituminous macadam surface on State Highway No. 1 from Abilene west; estimated cost \$225,000; 1.63 mi. bituminous macadam surface from Nolan County line east; estimated cost \$37,000; L. C. McCannles, Engr.

Tex., Amarillo—City, Jeff D. Barlett, City Mgr., plans paving North Buchanan St.; will vote on about \$40,000 bonds; H. B. Jones, Engr.

Tex., Austin—City, C. E. Leonard, Engr., plans surfacing 30 blocks with bituminous material, estimated cost \$75,000; W. D. Yett, Mayor.

Tex., Breckenridge—Stephens County plans 17.63 mi. bituminous macadam on State Highway from Breckenridge to Throckmorton County line; Geo. E. Franklin, Res. Engr.

Tex., Brownsville—Cameron County, O. C. Dancy, Judge, plans grading and bridges on 27 mi. Brownsville-Boca Chico road, estimated cost \$60,000; W. O. Washington, County Engr.

Tex., Carthage—Panola County plans 4.11 mi. grading and bridges on State Highway No. 43, estimated cost \$23,991; T. E. Boren, County Judge; D. E. Martin, County Engr.

Tex., Cuero—DeWitt County plans 2 hard-surfaced roads, totaling 20 mi.; 10 mi. from Yorkum to Guadalupe River Bridge, near Hochheim; 10 mi. from Hochheim to Lone Tree section; voted \$250,000 bonds. Address County Commrs.*

Tex., Garland—City plans paving 4 blocks on Garland Ave. south of Bankhead Highway. Address City Clk.

Tex., Galveston—Galveston County, Courtenay C. Washington, County Engr., plans surfacing 11 mi. road through High Island to adjoining county line; estimated cost \$113,500; contemplates bond issue; James A. Roddeker, County Commr.

Tex., Hempstead—Waller County plans road building; contemplates \$1,250,000 bonds. Address County Commrs.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bids from Thurber Construction Co., 401 Zindler Bldg., at \$79,353 for inverted brick paving; Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., at \$83,910 for 2-in. bitulithic surface; J. C. McVea, City Engr.

Tex., Houston—See Land Development.

Tex., McKinney—State Highway Comm., Frank V. Lanham, Chmn., receives bids after Sept. 25 to grade, bridge and gravel surface 13.9 mi. State Highway No. 39, from point east of McKinney to Hunt County line, estimated cost \$77,500; R. J. Hank, State Highway Engr.; F. W. Cawthon, County Engr.

Tex., Palestine—Anderson County, T. M. Campbell, Jr., County Auditor, receives bids Oct. 13 to grade and construct concrete and creosoted timber drainage structures on 2 roads: 16.55 mi. Elkhart-Denson Springs; 12.16 mi. Tennessee Colony-Bethel; plans from Edw. W. Davis, County Engr.

Tex., Raymondville—Willacy County plans hard surfaced roads; contemplates bond election; W. H. Head, County Judge.

Tex., San Antonio—Bexar County plans highway building; votes Sept. 20 on \$600,000 bonds; Augustus McCloskey, County Judge; A. C. Pancoast, County Engr.

Tex., Sherman—City, O. J. S. Ellingson, City Mgr., plans about 7¼ mi. paving; votes Oct. 24 on \$100,000 bonds.*

Tex., Texas City—City, S. T. Walker, Mayor, receives bids Oct. 1 for 40,000 yds. street paving, estimated cost \$130,000; Forsgard & Davis, Engrs.

Tex., Uvalde—Uvalde County, H. C. King, County Judge, plans 5.36 mi. 17-ft. 1-in. limestone rock asphalt surfacing; estimated cost \$29,200; Mack B. Hodges, Engr.

Va., Richmond—Board of Aldermen plans expending \$1,000,000 for curbing and guttering, \$50,000 to oil streets; contemplates \$1,000,000 bond issue; plans smooth paving Meadowbridge Road, estimated cost \$30,000.

Va., Richmond—Washington-Richmond-North Carolina Highway Assn., organized; Coleman Wortham, Pres.; interested in completing road from Washington to Virginia line; approximate cost \$4,800,000.

West Virginia—State Road Comm., Charleston, receives bids Sept. 26 to grade, drain and improve 2 roads: Morgan County, Long Hollow road, Capon Dist., from Fisher's Bridge to Hampshire County line; McDonald Paw Paw road to end of macadam pavement at Morgan County line; plans from Div. Engr., Keyser, and M. S. Harmison, County Clk., Berkeley Springs.

W. Va., Clarksburg—Harrison County Court, Elk Dist., plans hard surfacing 11½ mi. road from Nutter Fork to Barbours County line, connecting Clarksburg with Buckhannon, voted \$110,000 bonds; C. P. Sturm, Pres.*

W. Va., Huntington—See Bridges, Culverts, Viaducts.

W. Va., Wayne—Wayne County Court receives bids Oct. 8 for 4 roads: Grant Dist., 3 mi. 20-ft. McComas-Twelve Pole; Stonewall Dist., 1 mi. 16-ft.; 1 mi. 16-ft. Newcomb Creek road; 2 mi. 16-ft. Left Fork Lynn Creek; Ceredo Dist., 20-ft. span, reinforced concrete bridge over Sweet Run Creek approach to Kenova-Buffalo County road; culverts on Dock's Creek County road. Address County Commrs.

W. Va., Wheeling—State Road Comm., Charleston, receives bids Sept. 29 to rebuild Main and Seventh St. in Wheeling; plans on file and from Div. Engr.; E. B. Carskadon, Sec.

W. Va., Wheeling—State Road Comm., Charleston, receives bids Sept. 29 to rebuild North Main and Seventh St.; plans on file and from H. E. Snyder, Div. Engr., Parkersburg; F. B. Carskadon, Sec.

Contracts Awarded

Ala., Brewton—State Highway Comm., Montgomery, let contract to Lawrence Construction Co., Daniel Bldg., Jackson, Miss., at \$35,844, for 1 mi. concrete in East Brewton, Escambia County.*

Ark., Hot Springs—Comms. of Street Improvement Dist. No. 84 let contract to T. A. Rosamond, Ouachita St., Hot Springs, at \$25,603 for 8221 sq. yds. paving.

Ark., Little Rock—City let contract to Grady Garner, Little Rock, at about \$42,478 to pave 12 blocks streets in Street Improvement Dist. No. 307 with plain 6-in. concrete and Warrenite.*

D. C., Washington—Dist. Commrs. let con-

tract to W. F. Brenizer, 101 New York Ave., N. E., at 36 cents per cu. yd. to grade about 92,500 cu. yds. on Sixteenth St.*

Fla., Bartow—Polk County Commrs. let contract to McDonald Construction Co., Tampa, to build 10 mi. asphalt 16-ft. highway, and widen about 17 mi. 9-ft. highway to standard width, in Winter Haven Special Road Dist.

Fla., Bushnell—City let contract to Wm. Smith to pave, gutter and lay sidewalks on Noble Ave. and McCollum St., and sidewalks on Anderson St. from Main to new Bushnell school; to J. J. McCarthy for rock base, grading and excavating. Address City Clk.

Fla., Coral Gables—Coral Gables Corp., Geo. E. Merrick, Pres., let contract to W. T. Price Co., Inc., Coconut Grove, at about \$2,000,000 for 40 mi. streets paving and 75 mi. sidewalks in Coral Gables, Riviera Section.*

Fla., Clearwater—City, Chas. F. Mason, City Mgr., let contract to Southern Paving Construction Co., Volunteer Life Bldg., Chattanooga, Tenn., at \$450,000, for 6 mi. 6-in. limerock base and vitrified brick street paving, sidewalks and sanitary sewers.

Fla., Daytona Beach—City let contract to Highway Construction Co., at 21¼ cents per sq. ft. for one course sidewalks; H. M. Davis, City Mgr.

Fla., Gainesville—City let contract to Municipal Paving Co., Johnson City, Tenn., at about \$402,190 for 14,000 sq. yd. paving.*

Fla., Gainesville—City let contract to Municipal Paving & Construction Co. at about \$400,000 for paving improvements; E. V. Camp and Associates, Const. Engrs., 329 Peninsular Bldg., Jacksonville, and Atlanta, Ga.*

Fla., Monticello—City, O. A. Sloan, Clk.-Treas., let contract to Higginson Construction Co., Georgia Casualty Bldg., Macon, Ga., at \$60,000, for 71,000 sq. yd. 6-in. concrete base paving.*

Fla., Tavares—Lake County Commrs. let contract to F. G. Fowler Construction Co., Mount Dora, at \$400,000 for 13.9 mi. Mt. Dora to Wekiwa River, Special Road and Bridge Dist. No. 10.*

La., Harrisonburg—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, let contract to Highways Construction, Inc., Godchaux Bldg., for 4.37 mi. gravel Sicily Island-Clayton Highway, Catahoula Parish, from Sicily Island to Foules; W. B. Robert, State Highway Engr.*

La., Natchitoches—Natchitoches Parish Police Jury let contract to Natchitoches Construction Co., for 1 mi. graveled road from Cane River Bridge, East Natchitoches, to upper city limits.

Miss., Greenville—Washington County Bd. of Suprs. let contract to S. K. Jones Construction Co., Rand Bldg., Memphis, at \$15,700 to complete roadbed of Ferry road, from Greenville south.

Miss., Quitman—Clarke County Board of Suprs., W. B. Raley, Clk., let contract to J. A. & H. E. Pigford, Toombs, Miss., for 2 mi. Meridian-Laurel trunk line.*

Mo., Kansas City—Park Board let contract to Tyner Construction Co., 14th and Elmwood Sts., at \$206,170 to pave Linwood Blvd. from Gilliam road to Hunter Ave.

Mo., Louisiana—City let contract to Duncan Construction Co., at \$65,440, to pave 20 blocks on Georgia St. Address City Clk.

Mo., Maryville—City let contract to Cook O'Brien Construction Co., 430 Railway Exchange, Kansas City, to pave Walnut St. from Seventh to Wabash right-of-way.

Mo., Maryville—City, W. O. Garrett, Mayor, let contract to Cook & O'Brien Construction Co. to pave 2 blocks on W. Fifth St. with 7-in. reinforced concrete.*

Mo., Mexico—City let contract to C. A. Moreno, Syndicate Trust Bldg., St. Louis, at \$10,045, to re-surface Jefferson St. and Woodlawn Ave.*

Mo., Springfield—City let contract to Hedges Weeks Construction, Holland Bldg., at \$2.00 per sq. yd., to pave Chestnut St., and at 39 cents per lin. ft. for curbing; at \$2.07 per sq. yd. to pave Main St., and at 29 cents per lin. ft. for curbing; at \$2.07 per sq. yd. for paving on Monroe St.*

Mo., St. Charles—City let contract to Watson Construction Co., Victoria Bldg., St. Louis, at \$17,000 for street improvement.*

Mo., Warrensburg—City let contract to C. L. Johnson to pave North St. from Washington to Holden St. Address City Clk.*

N. C., Charlotte—City let contract to Hobbs-Peabody Construction Co., at \$6590, for 1700 sq. yds. concrete sidewalks, 1500 sq.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

yds. pavement, 1220 lin. ft. curbing, at city square. Address City Clk.

Oklahoma—State Highway Comm., Oklahoma City, let contracts for 5 roads: Muskogee County, 2½ mi. north, 1½ mi. south and 1½ mi. southwest of Muskogee, all brick, to Standard Paving Co., 1742 E. Sixth St., Tulsa, at \$113,461; 2½ mi. concrete road west of Muskogee, Gravelle & Hamblin, Barnes Bldg., Muskogee, \$52,008; Tulsa County, 3 mi. concrete Collinsville, from Tulsa to Kansas line, Highway Construction Co., Tulsa, \$87,372.*

Okl., Blackwell—City, Frank B. King, City Engr., let contract to M. A. Swatek & Co., 519½ N. Main St., Oklahoma City, at \$65,617 to pave 12 blocks of streets.*

Okl., Chickasha—State Highway Comm., Oklahoma City, let contract for 3 sections road in Grady County from Chickasha to Grady County line, totaling 25 mi.; Ottlinger & Frost, Hinton, \$25,619 and \$32,671; Gibson & Mitchell, Pauls Valley, at \$23,358.

Okl., Tulsa—City Comm. let contracts for street paving in 7 districts: Dist. No. 661, Sam Ward, 540 S. Victor St., \$18,064; No. 668, Sam Ward, \$3443; No. 665, at \$6008, and No. 667, at \$6969, to H. L. Canady Co.; to Standard Paving Co., 1742 E. Sixth St., Dist. No. 669, \$10,628, and Dist. No. 670, \$17,611; No. 671, Western Construction Co., Daniel Bldg., \$9691.

Tenn., Knoxville—City let contract to Murray Construction Co., Holston National Bank Bldg., Knoxville, to pave boulevards and avenues in Sec. 1, Sequoyah Hills residential section, including storm and sanitary sewers.

Tenn., Lenoir City—City let contract to Fisher & Callway at \$10,120 for 1800 ft. street paving on East Broadway to connect with new highway.

Tex., Cleburne—City let contract to West Texas Construction Co., Cotton Exchange Bldg., Fort Worth, at \$130,000, to pave and construct reinforced concrete culvert on 2 mi. streets with Warrenite bitulithic, 2-in. top, on 5-in. concrete base.*

Tex., Galveston—City Commrs. let contract to W. D. Haden, at \$15,800, to furnish 10,000 cu. yds. mudshell for grade raising, American Natl. Ins. Bldg.

Tex., Harlingen—City, A. Thompson, Mayor, let contract to F. P. McElwath, Corsicana, at \$22,521 to resurface streets with 1-in. cold rolled rock asphalt.

Tex., Iowa Park—City let contract to Douglas & Ward, Ward Bldg., Wichita Falls, at about \$40,000, to pave with concrete Cash and Hartdrive St.

Tex., Orange—Orange County Commrs. Court let contract to Martin Brothers, Vidor, at \$58,314, to surface 14 mi. road in Commrs. Precinct No. 4.*

Tex., San Antonio—Bexar County, Augustus McCloskey, Judge, let contract to Colglazier & Hoff, Inc., 922 Austin St., San Antonio, at \$23,630, for 4.55 mi. asphalt topping in Precinct No. 3.*

Tex., San Antonio—Bexar County Commrs. let contract to Colglazier & Hoff, 922 Austin St., at 54½ cents per sq. yd. for 74,455 yd. 1-in. natural rock asphalt topping on 2 roads: 2 mi. Somerset road at edge of San Antonio; 6 mi. Palo Alto road, between Somerset and Medina River.

Va., Luray—Page County Commrs. let contract to L. R. Colbert, Fredericksburg, for section of State and Lee Highway, from Luray to Shenandoah River, including bridge.*

W. Va., Marlinton—Pocahontas County Court, let contract to Dougher & Boone, Lewisburg, at \$72,000, to surface 3½ mi. Durbin-Bartow roads.*

W. Va., Wayne—Wayne County Court let contracts for 6 roads: Beech Fork road, Walton, Sudduth & Co., Commercial Bank Bldg., Bluefield, \$14,288; Lynn Creek, J. E. McComas, 330 27th St., Huntington, \$6646; Lynn Creek road, Thos. E. Phillips, East Lynn, \$7135; Prices Creek to Borton, Walton, Sudduth & Co., \$12,383; Garretts Creek, H. M. Adkins, Wayne; Right Fork of Beech Fork, Hardy Phelps, East Lynn, \$7085; 24-ft. span Bowen Bridge and fill for approaches, William Pauley, Wayne.*

Sewer Construction

Ark., Hot Springs—Oaklawn Improvement Assn. of Oaklawn, Hot Springs National Park will construct \$75,000 sewer system.

Fla., Avon Park—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Clearwater—City receives bids Oct. 5 for sewer construction; Chas. F. Mason, City Mgr. (See Machinery Wanted—Sewers.)

Fla., Clearwater—See Land Development.

Fla., Clearwater—See Roads, Streets and Paving—Contracts Awarded.

Fla., Jupiter—See Land Development.

Fla., Lakeland—See Land Development.

Fla., Lake Worth—See Land Development.

Fla., Miami—See Land Development.

Fla., Pensacola—See Land Development.

Fla., St. Cloud—City Comsn. rejected all bids for sewer; will call for new bids.

Fla., St. Petersburg—City votes Nov. 17 on \$365,000 bonds for sewage disposal plant; \$43,000 for drainage and improving Mirror Lake; \$235,000 for purchase and installation of 2 units to power plant; \$443,100 for storm sewers; \$21,000 for construction and enlargement of drainage ditches; \$86,000 for improvements to water plant; \$964,000 for expanding water distribution system; \$253,499 for extension to gas plant; \$236,501 for extension of mains; R. E. Ludwig, Director of Public Utilities.

Fla., Tampa—See Land Development.

Fla., Tavares—See Miscellaneous Construction.

Fla., West Palm Beach—See Land Development.

Ga., Norcross—See Water Works.

La., New Orleans—See Land Development.

Md., Baltimore—Board of Awards, Milton J. Ruark, Sewerage Engr., receives bids Sept. 30 for constructing transformer house No. 1 at Back River sewage treatment works. (See Machinery Wanted—Transformer House.)

Miss., Hattiesburg—See Water Works.

Mo., Nevada—City Council will receive bids for construction of sewer on Main St.

Mo., St. Joseph—Board of Public Works will receive bids for sewer construction.

Mo., St. Louis—Board of Public Works receives bids Sept. 29 for sewers in Union-Bircher-Joint Sewer Dist.

N. C., Asheville—See Land Development.

N. C., High Point—See Land Development.

N. C., Marion—See Land Development.

N. C., Pompeys' Knob, P. O. Little Switzerland—See Land Development.

N. C., Siler City—See Water Works.

N. C., West Hickory—Town, W. P. Austin, Mayor, will make water works and sewer improvements; The Carolina Engineering Co., Charlotte, N. C., Engrs.

S. C., Newberry—See Roads, Streets and Paving.

S. C., Newberry—City contemplates voting on \$125,000 sewer and paving bonds. Address The Mayor.

S. C., Spartanburg—City voted \$75,000 sewer bonds, \$60,000 for power plant. Address the Mayor.*

S. C., Winnsboro—City, S. D. Ellison, Mayor, receives bids Sept. 30 for sewer system. (See Machinery Wanted—Sewers.)

S. C., York—See Water Works.

Tenn., Dickson—See Water Works.

Tenn., Kingston—City receives bids Sept. 30 for sanitary sewer system; Klyce & Harub, Engrs., 506 Fourth and First National Bank Bldg., Nashville. (See Machinery Wanted—Sewers.)

Tenn., Kingsport—City votes Oct. 14 on \$50,000 sewer bonds. Address the Mayor.

Tenn., Knoxville—See Roads, Streets and Paving.

Tenn., Memphis—See Land Development.

Tex., Brownfield—City, Job B. McGowan, Mayor, receives bids Sept. 28 for sewer system. (See Machinery Wanted—Sewer System.)

Tex., Dallas—Janes Contracting Co., S. W. Life Bldg., has contract for portion of 24-in. White Rock sanitary sewer line.*

Tex., El Campo—City voted \$60,000 bonds for sewer improvements; W. L. Ballen, Mayor.*

Tex., Houston—See Land Development.

Tex., Orange—Orange Sewer Co. will construct \$15,000 pumping plant at Park and Eleventh Sts.; concrete walled basin 12-ft. deep.

Tex., San Angelo—City let contract to Municipal Excavator Co., 200 E. Main St., Oklahoma City, Okla., for sewer system and disposal plant.

Va., Warrenton—See Water Works.

Va., Williamsburg—City and H. D. Nozarth will soon let contract for sewer in West Williamsburg Heights.

Street Railways

Fla., Miami—Coral Gables Rapid Transit Line, lately noted having permit, will soon begin construction of line connecting Miami with Coral Gables, Silver Bluff with Coconut Grove, contemplate having cars running within years time.*

Telephone Systems

Ga., Columbus—Southern Bell Telephone & Telegraph Co., F. M. Craft, Chief Engr., Atlanta, advises: Our contemplated expenditures for extensions at present time are only additions to telephone switchboard facilities, and do not involve any building additions.*

Tenn., Chattanooga—Chattanooga Radio Co., 17 E. Sixth St., Earl W. Winger, Pres., will establish broadcasting station in Hotel Patton; will include two studios and reception room; equipment all purchased; 75-ft. towers will be on each wing of hotel building, capacity of station about 500 watt.

Tex., Dallas—Southwestern Bell Telephone Co. of Texas, F. M. Hoag, Mgr., reported, contemplate building \$4,500,000 building on Akard St. between Jackson and Wood; structure to be in three units, first located on Jackson and Akard, 100x200 ft., 10-story; second unit on site of present building, and third on top of first and second unit, each costing \$1,500,000; plans not completed.*

Textile Mills

Ala., Birmingham—Stowd-Holcombe Cotton Mills Co. organized by W. F. Stowd, Dr. J. A. Hines, both of Siluria, and others; reported has building and 42 acres land and will install 10,000 spindles for cotton fabrics and sheeting; machinery ordered.

Ala., Florence—Durham Cotton Mills, Durham, N. C., reported considering establishment of cotton mill.

Ga., East Point—Lullwater Manufacturing Co., Laurens Rd., Greenville, S. C., reported to remove machinery from plant at Greenville to East Point.

Ga., Macon—Adams Duck Mills, Bellevue Rd., reported to rebuild burned portion of plant.

Mo., St. Louis—Gibbons Knitting Mill, Inc., 1510 Washington St., will increase capital, \$50,000 to \$81,000.

N. C., Charlotte—Miltex Woolen Mills, capital \$100,000, incorporated; W. W. Sullivan Anderson, S. C.; G. G. Slaughter, Johnson Bldg., Charlotte.

N. C., Laurel Hill—Morgan Cotton Mills, Inc., reported to expend \$100,000 in improvements to tire fabric plant.

S. C., Clinton—Clinton Cotton Mills, commissioned Lockwood, Greene & Co., Engrs., Atlanta, Ga., to supervise complete electrification and lighting system for Mill No. 2.

S. C., Greenville—Piedmont Plush Mills, Fred W. Symmes, Pres., will let contract about Sept. 30 for plant; J. E. Sirrine & Co., Architects.*

S. C., Kings Creek—Cherokee County Cotton Mills, capital \$100,000, incorporated; A. W. Love, W. A. Love.

S. C., Spartanburg—Glendale Mills reported to improve plant, electrify mill, install individual motors, improve steam plant, install water turbines; expend \$60,000.

S. C., Wallhalla—Kenneth Cotton Mills commissioned J. E. Sirrine & Co., Greenville, to prepare plans for packing and shipping building; 40 sq. ft., 1 story; slow burning mill construction.

Tenn., Soddy—Richmond Hosiery Mills are having plans prepared by J. E. Sirrine & Co., Greenville, S. C., for 2-story, 60x50-ft. mill.

Water Works

Fla., Avon Park—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Bushnell—Town, C. B. Allen, Clk., receives bids Oct. 14 for water works improvements. (See Machinery Wanted—Water Works.)

Fla., Clearwater—See Land Development.

Fla., Coleman—City will soon vote on bonds for water works; E. V. Camp and Associates, Consit. Engrs., Bartow.*

Fla., Cottondale—G. M. and A. C. Thomas granted water and light franchise.

Fla., Cedar Keys—Board of Public Works engaged Main Engineering Co., Daytona, as engineers for water works improvements and other improvements; \$250,000 available.*

Fla., Daytona—See Land Development.

Fla., Frostproof—City votes Oct. 20 on \$85,000 water extension bonds. Address The Mayor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Jupiter—See Land Development.
Fla., Lake Worth—See Land Development.
Fla., Lakeland—See Land Development.
Fla., Miami—See Land Development.

Fla., Mulberry—City will issue \$24,000 bonds for improving water works and \$8500 for white-way system. Address the Mayor.

Fla., Pensacola—See Land Development.

Fla., St. Cloud—City Comsn. let following contract for municipal work: To Fairbanks-Morse Co., 900 S. Wabash Ave., Chicago, Ill., for engine for power plant; to J. P. Walker Co., Lakeland, for switchboard; to Central Foundry for cast iron pipe; Sullivan Machinery Co., People's Gas Bldg., Chicago, Ill., for air lift for well; Fairbanks-Morse for low-pressure engines; Machine Valve Co., Detroit, Mich., for valves and hydrants; J. B. McCrary & Co., Atlanta, Ga., for water system.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—See Sewer Construction.

Fla., Tampa—See Land Development.

Fla., West Palm Beach—See Land Development.

Ga., Norcross—City voted \$40,000 bonds for water and sewers. Address the Mayor.

Ga., Fitzgerald—City voted water works bonds. Address The Mayor.*

Ky., Irvine—J. Q. Kline of Kentucky-Tennessee Light & Power Co., Bowling Green, announces that contract has been let for construction of filtering plant for water works.

La., New Orleans—See Land Development.

Md., Salisbury—Salisbury Water and Sewer Comsn. receives bids Oct. 1 for constructing low level reservoir and areator. Contract No. 10. (See Machinery Wanted—Water Works.)

Miss., Hattiesburg—City votes Sept. 22 on \$30,000 water works bonds and \$30,000 sewer bonds. Address the Mayor.

Miss., Hazelhurst—Board of Aldermen will expend \$10,000 for improvements to water works.

Miss., Lexington—City votes Oct. 2 on \$12,000 water extension bonds. Address The Mayor.

Miss., Philadelphia—City, A. B. McGraw, Mayor, receives bids Oct. 6 for water works. (See Machinery Wanted—Water Works.)

Mo., Buffalo—City votes Oct. 5 on \$40,000 water works bonds. Address the Mayor.

Mo., Savannah—City voted \$60,000 bonds. Address City Clerk.*

N. C., Asheville—See Land Development.

N. C., Gastonia—Arlington Heights Water Co., capital \$10,000, incorporated; J. P. Reid, J. W. Carroll.

N. C., High Point—See Land Development.

N. C., Marion—See Land Development.

N. C., Siler City—Town let contract to Paul N. Howard, Inc., King Bldg., Greensboro., for installation of water and sewer system.

Okla., Enid—City defeated \$215,000 water works bonds; John Carr, Mayor.*

Okla., Frederick—City Council is having water survey made by Penham Engineering Co.

Okla., Fort Cobb—City reported having surveys made for water works system; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.

Okla., Idabel—City let contract to George M. Brown, McAlester, for water works extension; filter plant, power house, etc.; capacity 200,000 gal. per day; cost \$46,000; install engine and generator, cost \$12,750; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.*

Okla., Red Forks—City reported to construct water works system; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.

S. C., Beaufort—See Land Development.

S. C., Newberry—See Roads, Streets and Paving.

S. C., York—City considering \$150,000 bonds for water works and sewer extension. Address the Mayor.

Tenn., Bluff City—City, A. J. Geisler, Mayor, receives bids Oct. 6 for water works. (See Machinery Wanted—Water Works.)

Tenn., Dickson—City voted \$25,000 water extension bonds and \$100,000 sewer bonds. Address the Mayor.

Tenn., Memphis—See Land Development.

Tex., Austin—T. U. Taylor, University of Texas Engineering School, has completed survey of Austin dam; recommended construction of 60-ft. dam, removal of 4,000,000 cu. yds.

of silt, installation of rounded crest instead of flood gate system.

Tex., Crystal City—City, H. G. Walker, Mayor, contemplates water-works improvements.

Tex., Frost—City selected Harvey B. McAllister, Waco, as Engr. for water works; \$46,000 available.

Tex., Houston—See Land Development.

Tex., Maybank—City voted water works bonds. Address the Mayor.

Tex., Nordheim—City votes Oct. 3 on \$40,000 water works bonds. Address the Mayor.

Tex., Port Arthur—City is having plans drafted by Burns & McDonald, Engrs., 402 Interstate Bldg., Kansas City, Mo., for reservoir and filtration plant and necessary pipe lines.*

Va., Berryville—City votes Sept. 24 on \$550,000 water works bonds; will construct concrete reservoir of 6,000,000 gal. capacity. Address The Mayor.

Va., Bluefield—City contemplates establishing filter plant on Bluestone River cost \$25,000.

Va., Warrenton—City will construct water works and sewer system, voted bonds; G. H. Massey, Engr., Norfolk.*

Woodworking Plants

Ark., Fort Smith—C. R. Hays Chair & Table Co., 1800 N. First St., capital \$10,000, incorporated; Thomas J. Lennard, Pres., Beloit, Wis.; E. H. McCulloh, Sec., 413 N. 24th St., Fort Smith; contemplates installing \$40,000 modern equipment, increasing plant's capacity.

Ark., Fort Smith—Ward Furniture manufacturing Co., James A. Ward, Jr., Pres., will construct by day labor \$30,000 building, 2-story, 150x80 ft., brick, install \$30,000 equipment; daily output 6000 sq. ft. plywood.*

La., New Orleans—Southland Toy Manufacturing Co., Inc., chartered; Archibald T. Higgins, Gretna, La.; Jesse C. McGee, 2310 Calhoun St., New Orleans.

Mo., Kansas City—Peoples Furniture Co., capital \$25,000, incorporated; R. Marsden, 16 E. Seventeenth St.; A. R. White.

N. C., Chapel Hill—Pope Crowder Furniture Co., capital \$50,000, incorporated; J. F. Crowder, G. M. Pope.

Tenn., Madisonville—Watson Lumber & Manufacturing Co., A. C. Watson, Sec., will rebuild burned plant, 1-story, 40x80 ft., frame and metal siding, concrete floor, metal roof; construction by owner; install planer, resaw, mortiser, self-feeder, sander and combination machine; output building material and cabinet work. (See Machinery Wanted—Cabinet Machinery.)*

Va., Altavista—Cedar Chests—Lane Co., Inc., increased capital.

Va., Lawrenceville—The Brunswick Seating Works, Inc., capital \$25,000, incorporated; James Eaton, Lawrenceburg; Louis H. McKee, Trenton, N. J.

FIRE DAMAGE

Ala., Dora—Buildings of Temerson's Dry Goods Co., Crenshaw Cafe, Burke's Cafe, Martin's Meat Market, Alabama Power Co., Southern Express Co., Vandiver Clark's barber shop, Lanthrip Jewelry Store, Little Gem Cafe, Dora Bargain Store.

Ala., Gadsden—Bicker-Wood Church, Tidmore Bend, east of Gadsden. Address The Pastor.

Ark., Fayetteville—Boiler room of the Phipps Lumber Co., loss \$21,000.

Ark., North Little Rock—High School building; loss \$100,000. Address Clerk, School Board.

Fla., Jacksonville—The mold room of the Southern Iron Works, Mary St.

Fla., Miami—Riverside Ice & Cold Storage Co.'s plant, S. W. Fourth St. and Seventeenth St.; loss \$200,000 to \$225,000.

Fla., West Palm Beach—J. J. Johnson's residence, Tenth and Tamarind Sts., and 12 additional dwellings; loss \$50,000.

Ga., Cordele—J. M. Tomlinson's turpentine plant.

Ga., Putney—F. F. Putney's grist mill and gin.

Ky., Bowling Green—Donald Porter's residence near Bowling Green.

Ky., Henderson—Rash & Davis' livery, feed and mule stable.

Ky., Lexington—Kearney Bros.' building, Russel Cave and Ironworks pikes.

La., Alexandria—Carroll Lumber Co.'s yards on Xavier St., loss \$50,000.

La., Shreveport—Noel Memorial Methodist Church, Herndon Ave. near Highland Ave., W. C. Barnett, Chmn., Board of Stewards; apartment house, 510-12 Herndon, owned by John M. McCullough, Ch. Deputy Tax Collector of Caddo Parish; loss \$150,000.

Ky., Crayne—L. L. Jones' residence.

Md., Bladenburg—Palo Alto Hotel, owned by Frank Mace.

Mo., Jonesburg—Dr. J. L. Jones' buildings; Jonesburg State Bank.

Mo., Jonesburg—State Bank, several buildings owned by Dr. J. L. Jones and several additional buildings; loss \$100,000.

Mo., Norborne—Commercial Hotel; loss \$20,000. Address The Proprietor.

N. C., Charlotte—Five Points Service Station on the Beatty Ford Rd., owned by W. W. Cox.

N. C., Concord—B. L. Roberts' building.

N. C., Lost Cove (P. O. name Carotenn)—Mac English's residence, store, sawmill and lumber yards; loss \$25,000.

Okla., Keota—Quinton Gin Co.'s storage room.

Okla., Ralston—Charles Marshall's building; Mosler Store; loss \$20,000.

S. C., Colleton—Colleton Cypress Co.'s sawmill plant, loss \$225,000.

S. C., Lowry's—S. W. Guy's store, Gile Brakefield's market.

S. C., Wellford—Alfred Moore's cotton gin; loss \$25,000.

S. C., York—Star Theater owned by J. Q. Wray, J. W. Dobson's residence occupied by Walter W. Barron, warehouse of Yorkville Enquirer; loss \$30,000.

Tenn., Madisonville—Watson Bros. Lumber Co.'s mill and yard; loss \$15,000.

Tenn., Ripley—W. G. Speck & Co.'s store; Ed. Wilson's building; A. Higgins' building; N. E. Nelson Dry Goods Co.'s store; Dr. R. S. McLin's building; Mrs. Ada Dailey's building.

Tex., Brownwood—Eubanks Music Co.'s store, owned by J. M. Radford, Abilene; loss \$20,000.

Tex., Fort Worth—Denver-Glenn Furniture Co.'s building, 1315 Houston St.; loss \$75,000.

Tex., Greenville—Brown Co.'s gin plant and seed house of West End gin; loss \$25,000.

Tex., Huntsville—A. L. Anders' residence; loss \$7000; Eastham Bros.' mattress factory, West Huntsville.

Tex., Lindvale—Farmers Gin Co.'s plant; loss \$10,000.

Tex., Lubbock—R. T. Scott's building, Jackson St. and S. Fourth Ave., occupied by T. F. Buntyn.

Tex., Mexia—55,000 bbl. storage tank of Prairie Pipe Line Co.; loss \$125,000.

Tex., Palestine—Frankston Cotton Warehouse. Address owner.

Tex., Prairie Dell—(R. D. from Salado)—Buildings of Cotham & Welch, K. Welch, W. O. W. oLdge, C. E. Northern; loss \$30,000.

Tex., Waco—Otto Fullen Drug Store; loss \$4,000.

Tex., Waco—Waco Cigar Co.'s plant at S15 S. Sixth St.

Tex., Waskom—Warehouse owned by John W. Furrh, Marshall; loss \$10,000.

Tex., Wallins Creek—Buildings of H. H. Howard, J. L. Lawson, Howard & Meyers, R. Ackley, Charles Hembrey, A. Johnson, First National Bank; loss \$100,000.

W. Va., Charleston—West Virginia Brick Co.'s plant; loss \$150,000.

W. Va., Welch—Building on McDowell St. occupied by L. A. Osborne, J. H. Barker, Conicio Bigolici.

Damaged by Explosion

W. Va., Triadelphia—Elm Grove Mining Co.'s mine No. 2.

Damaged by Storm

Md., Hagerstown—Western Maryland Rwy. Co.'s wheel press shop; address H. R. Pratt, Ch. Engr., Baltimore, Md.

Va., Whittles Depot—P. W. Barbour's store; M. L. Davis' storage house; Methodist Church (address the Pastor); loss \$25,000.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Fla., Daytona—Benevolent Protective Order of Elks, David Sholtz, Chmn., Bldg. Comm., plans \$200,000 clubhouse, Volusia Ave.; 6 stories.

Fla., Palatka—Lodge No. 1232, B. P. O. E., drawing plans for \$75,000 building, S. Third St.; 4 stories, roof garden.

N. C., Henderson—Community Young Men's Christian Assn. inaugurate \$125,000 campaign in June for building.

N. C., New Bern—Young Men's Christian Assn., W. L. Hand, Pres., inaugurate fund campaign in Fall for building; cost about \$40,000; equipment \$10,000.

Okla., Lawton—Lowery Post No. 29, American Legion, plans \$20,000 building.

S. C., Spartanburg—Free and Accepted Masons (Colored) erect temple, New and Evans Sts.

Tenn., Chattanooga—Benevolent Protective Order of Elks remodel building, Seventh and Walnut Sts.; cost about \$25,000; 3 stories on first floor; Crutchfield & Gosnell, Volunteer Life Bldg. W. H. Sears and J. D. Alsop, both James Bldg., Archts.

Tenn., Knoxville—Young Men's Christian Assn. inaugurate campaign in March under direction of S. A. Ackley, Regional Director, Palmer Bldg., Atlanta, Ga., for \$550,000 building; swimming pool, gymnasiums, bedrooms, etc.

Tex., Austin—Lone Star Chapter No. 6, Royal Arch Masons, receiving bids (date of closing not set) on temple; cost \$75,000; brick, stone, reinforced concrete, fireproof; J. B. Davies, 1308 Hemphill St., Fort Worth, and W. E. Ketchum, Pope Bldg., Asso. Archts.*

Tex., Dallas—Dallas Lodge No. 71, B. P. O. E., Judge Wm. H. Atwell, Grand Exalted Ruler, Indiana Bldg., considers selling present property, 1515 Commerce St., and erecting new structure.

Tex., Greenville—Hunt County Young Men's Christian Assn., W. Walworth Harrison, member, Bldg. Comm., plans building.*

Bank and Office

Ark., Paragould—Security Bank & Trust Co. receives bids Oct. 1 at office E. M. Weems, Archt., for stone, brick, steel and concrete building; cost \$65,000, 2 stories, 50x75 ft., terrazzo floors, reinforced concrete foundation, built-up standard roof; furnishings, equipment, etc., \$25,000; bids same date.*

Fla., Jacksonville—Gulf Life & Accident Insurance Co., Realty Bldg., T. T. Phillips, Pres., erect 10-story office building, Market and E. Adams Sts.; brick, concrete and stucco.

Fla., Jacksonville—Forsyth Building Co., Louis Becker, Pres., has tentative plans to convert 4-story brick building, 324-26 W. Forsyth, into offices.

Fla., Jacksonville—H. G. Hopkins and F. H. and T. T. Ellmore, 1035 May St., purchased 2-story Osceola Bldg., Hogan and W. Adams Sts.; consider erecting 8 additional stories for offices or hotel.

Fla., Jacksonville—H. B. Schulte Realty Co. remodel building for office, 6 West Bay St.; cost, including furnishings, about \$20,000; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Miami—F. E. Sweeting, owner Angler's Park, Key Largo, leased Crocker's Cafeteria and will remodel for offices.

Fla., South Jacksonville (Ind. Branch Jacksonville)—Florida National Bank, G. N. Avert, Vice-Pres., having plans drawn by Mark & Sheftall, 210 Clark Bldg., both Jacksonville, for Florida Southside (branch) Bank.*

Fla., St. Petersburg—Fred L. Smith, Third St. and First Ave., North, erect \$400,000 office and theater building, same location, after plans by Henry F. Cunningham, 507 J. Bruce Smith Bldg.; steel, terra cotta and brick, 10 stories, 100x100 ft., tile floors, concrete foundation, hollow and interior tile, metal doors, mail chutes, ventilators, ornamental terra cotta, steel sash and trim, wire glass.*

Fla., Tampa—Col. W. F. Stovall, Bayshore Blvd., erect \$350,000 office building, Morgan

and Jackson Sts.; 7 stories, 150 offices, 8 stores; soon let contract.

Fla., Tampa—Tampa Board of Trade receives bids Nov. 1 for fireproof Gothic type office building; 60x120 ft., 20 stories, concrete floors and roof, terra cotta and brick exterior; cost \$350,000; M. Leo Elliott, Archt., 418 Citizens Bank Bldg.*

Fla., Winter Haven—DeWitt E. Taylor, Pres. Taylor-Alexander Co., erect \$250,000 office building, E. Central St.; 6 stories; Ball-four Brothers Furniture Co. occupy second floor and section of first; offices above.

La., New Orleans—New Orleans Real Estate Agents' Assn. remodel second and third floors of 4-story brick building, 826 Perdido St.; flooring, plastering, partitions, plumbing, electric wiring and elevator; electric elevator; Martin Shepard, Archt., 429 Carondelet St.; about ready for bids.

La., New Orleans—Texas Co. receives bids Sept. 28 at office Rathbone DeBuys, Archt., and Juan G. Landry and Albert L. Theard, Asso. Archts., all Hibernia Bldg., for 3-story office and filling station, St. Charles Ave. and Lee Circle; reinforced concrete, brick, terra cotta and steel, composition roof, marble and cement floors, steam heating, oil burning equipment, plastering; separate contracts for lighting fixtures, gasoline storage tanks, concrete enclosures for tanks, gas filling equipment and compressed air equipment.

Miss., Columbus—Merchants & Farmers Bank remodel building; cost \$40,000 to \$50,000; Italian marble front, vault equipment, fixtures; C. H. Lindsley, Archt., Lamar Life Bldg., Jackson.

N. C., Charlotte—Citizens Savings & Loan Corp., Selwyn Hotel Bldg., plans to remodel building, 16 E. Fourth St., for banking quarters; cost about \$20,000.

N. C., Charlotte—Home Real Estate & Guaranty Co., 219 N. Tryon St., S. Thomas Henderson, Sec.-Treas., considers erecting 8-story office building, 14 E. Fourth St.; 40 offices; may build 2-story structure with foundation for 6 additional stories later; brick and steel, stone front, fireproof.

Tenn., Memphis—Liberty Savings Bank & Trust Co., Porter Bldg., remodel old Power & Light Co. building for quarters or erect new structure.

Tex., Dallas—Southwestern Bell Telephone Company of Texas, J. E. Farnsworth, Vice-Pres., plans to erect \$4,500,000 office building, Akard St. between Jackson and Woods Sts., if company is permitted to take over franchise of Dallas Telephone Co., J. E. Farnsworth, Pres.; tentative plans call for structure in 3 units, first at Wood and Akard Sts., about 10 stories, 200x100 ft., foundation to permit additional 10 stories, cost \$1,500,000; second, site present exchange, Jackson and Akard Sts., cost \$1,500,000; third to be erected on top of other two structures, cost \$1,500,000.

Tex., Lubbock—Panhandle Construction Co., John Dalrymple, Pres., erect office building, N. Avenue I, for headquarters.

Tex., San Antonio—Drs. W. M. Wolfe and Ferdinand Herff, City National Bank Bldg., erect \$200,000 fireproof office and clinic building, Jefferson St. near Travis St.; 3 stories, 103x145 ft., oak and concrete floors, concrete foundation, gravel roof, hollow and interior tile, metal ceilings, mail chutes, ventilators, ornamental terra cotta, wire glass; Albee B. & Robt. M. Ayres Archts., Bedell Bldg.; preliminary sketches.*

Churches

Ala., East Thomas (Mail Birmingham)—Methodist Church, J. E. Duke, Chmn. Bldg. Comm., 1220 8th Ave. W., Birmingham, plans building.

D. C., Washington—First Congregational Church, Rev. Jason Noble Pierce, Pastor, Tenth and G Sts. N. W., inaugurate \$1,250,000 campaign for structure on present site. Address The Pastor.

Ga., Atlanta—St. Paul's M. E. Church, erect \$25,000 addition, Grant-Sydney and St. Paul Aves. Address The Pastor.

Ga., Clayton—J. T. Davis, Chmn. Bldg. Comm., receives bids Sept. 30 for church building; bids for building in stone for outside walls, and also in stone for basement story, with cement belt entirely around struc-

ture on top of basement story and remainder of outside wall of brick, with nice face brick on outside; no bids for veneered building; plans and specifications on file at office of N. Sargent Hamilton, Archt., Sans Souci Studio, Spring Lake Drive, Atlanta, and at office Mr. Davis.

Ga., Pelham—Presbyterian Church plans \$12,000 brick or stucco building, Church and Hood Sts. Address the pastor.

Louisiana—T. J. Perrier, Archt., 310 Carondelet Bldg., New Orleans, receiving sub-bids on parish house for St. Catherine of Sienna Church in Jefferson Parish; hollow tile, tile roof, hot air heat, plumbing, electric wiring.

La., Shreveport—Noel Memorial Methodist Church, C. W. Lane, Chmn., Bldg. Comm., Giddens-Lane Bldg., plans to rebuild structure noted burned at \$80,000 loss.

Miss., Louise—Methodist Church plans to sell present building and erect \$15,000 structure. Address The Pastor.

Mo., Cape Girardeau—First Baptist Church, W. C. Ballard, Chmn., Bldg. Comm., receiving bids Oct. 17 at office R. F. Knox, Archt., 424 H.-H. Bldg., for ordinary type brick building; cost \$150,000, stone trim, 3 stories, 95x138 ft., oak, terrazzo and concrete floors, concrete foundation, asphalt roof, interior tile, metal doors, ventilators, rolling partitions, steel sash and trim, wire glass.*

N. C., Charlotte—First A. R. P. Church, Tryon and Third Sts., F. J. Blythe, Chmn. Bldg. Comm., selected J. M. McMichael, 306 Park Ave., as architect for \$200,000 building, Tryon and 11th Sts.; brick or stone auditorium seat 600 to 700; parsonage.*

N. C., Winston-Salem—Westview Methodist Church plans building, Winston-Lewisville Rd. Address The Pastor.

Okla., Carmen — Methodist Episcopal Church, call for bids about Oct. 1 (date of closing not set) on brick building; cost \$150,000, 1-story and basement, 75x134 ft.; H. H. Dohe, Archt., Okene.*

S. C., Barnwell—Baptist Church plans building; some brick on ground. Address The Pastor.

S. C., Barnwell—Methodist Church, Col. J. L. Harley, member, plans building; brick; brick veneer present frame structure for Sunday School.

Tenn., Knoxville—Seventh Day Adventist Church, 405 W. Gill Ave., Rev. E. W. Wolfe, Pastor, erect \$10,000 building, University Ave. and Wallace St.

Tex., Austin—St. Martins Lutheran Church rejected bids for building and receiving new bids on revised plans; brick, stone and reinforced concrete, 1-story and basement; cost \$75,000; Geo. Louis Walling, Archt., 803 Scarborough Bldg.*

Tex., Houston—Heights Christian Church, Dr. A. A. Sinclair, Chmn. Bldg. Comm., 1717 Ashland St., plans building.

Tex., Kingsville—Baptist Church, Rev. E. E. Dawson, pastor, receives bids after Oct. 1 (date of closing not set) for 3-story building; concrete, tile and face brick, cost \$20,000; Will N. Noonan, Archt., Builders Exchange Bldg., San Antonio.

Tex., Kingsville—Baptist Church receives bids Sept. 30 for building, rear present structure; 3 stories, concrete and hollow tile, face brick, cost \$20,000; Will N. Noonan, Archts., Builders Exchange Bldg., San Antonio.

Tex., Temple—Grace Presbyterian Church, Dr. J. M. Woodson, member, erect building.

City and County

Ala., Birmingham — Secretary, Library Board receives bids Oct. 19 for building, Seventh Ave., North, near 21st St.; plans and specifications from Miller & Martin, Archts., Title Guarantee Bldg.; plans and specifications for plumbing, heating and ventilating, and electric wiring after Sept. 23; cost about \$550,000, equipment \$100,000; Eric Gugler, Conslt. Archt., 101 Park Ave., New York.*

Fla., Bradenton—Manatee County selected J. Herbert Johnson as architect for remodeling courthouse; probably call for bids at October meeting; cost about \$100,000.*

Fla., Miami—City has permit to remodel and erect additions to jail; cost \$20,000, 25x85 ft. Address the Comms.

Fla., Miami—Dade County add third story to jail; cost about \$18,000; A. Ten Eyck Brown, Archt., Forsyth Bldg., Atlanta, Ga.

Fla., Orlando—Orange County Board of Comms., L. L. Payne, Chmn. Bldg. Comm., erect 3-story courthouse, E. Washington and N. Main Sts.; jail on top floor; elevator;

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Murry, S. King, Archt.-Supervising Engr., Bus Terminal Bldg.

Fla., Sebring—Highlands County Board of Commrs., Clifford Pierce, Chmn., selected Fred A. Bishop, Virginia Railway & Power Bldg., Richmond, Va., as architect for \$200,000 courthouse.*

Fla., St. Augustine—City, Eugene Masters, City Mgr., considers calling election on bonds, including \$10,000 for comfort station.

Ga., Trenton—Dade County, I. H. Wheeler, Ordinary, contemplates new courthouse and jail.

La., Shreveport—Caddo Parish votes Oct. 13 on proposition to erect courthouse; J. E. Cupples, Chmn. Finance Comm., Police Jury.*

N. C., Winston-Salem—Forsyth County has low bid at \$240,500 from John W. Hudson, Tarboro, for courthouse alterations and additions; low bid for plumbing, L. B. Brickenstein, Walnut St.; heating and ventilating bids later; Northup & O'Brien, Archts., Starbuck Bldg.*

Okla., Boise City—Cimarron County Commission erect 3-story brick faced courthouse; stone trim, fireproof vault; Parker & Crawford, Archts., Amarillo, Tex.; financing by Calvert & Co., First Natl. Bank Bldg., Oklahoma City.

Okla., Eufaula—McIntosh County Commission, T. F. Turner, member, contemplates calling \$225,000 courthouse bond election; brick, stone, steel and reinforced concrete; replace burned structure.*

Okla., Newkirk—Kay County Board of Commissioners will let contract Oct. 12 to supply and install fixtures and equipment in jail section of \$200,000 fireproof courthouse; let contract Oct. 13 for fixtures, equipment and furnishings for 2 courthouse floors; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth, Tex.; D. C. Bass & Co., Contr., Enid, Okla.*

Tenn., Maryville—Blount County, John C. Crawford, Judge, County Court, considers erecting jail.

Tex., Austin—Travis County, Geo. S. Matthews, County Judge, plans 1-story brick and concrete addition to courthouse.

Tex., Harlingen—City having plans drawn by Elwing & Mulhauser for city hall; fire station and jail on first floor; \$14,000 bonds available.*

Tex., San Antonio—City has following low bids for first unit of museum building: General Moeller & Weibacher, Nolan St., \$31,260; plumbing, McNair Bros., \$466; wiring, Neighbors Electric Co., \$422; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.*

Va., Danville—City erect \$30,000 fire station; plans will be submitted and bids asked for in about 10 or 15 days. Address The Mayor.*

Va., Danville—City Council, A. M. Alken, City Atty., has completed plans from Heard & Chesterman, Peoples National Bank Bldg., Lynchburg, and Masonic Temple Bldg., Danville, for \$350,000 courthouse and city hall building and probably call for bids within month; Ionic type, limestone finish, 4 stories and basement, 180x142 ft.*

Va., Fort Myer Heights—Arlington County, Wm. G. Gloth, Commonwealth Atty., call special election on jail bonds; plans submitted by Upman & Adams, Woodward Bldg., Washington, D. C.*

Dwellings

Ala., Birmingham—J. B. Odum, 2408 15th Ave. N., erect \$15,000 residence, 51st St. and Avenue K, Central Park.

Fla., Allandale—S. J. Brady, Daytona, Gary Sands, 2611 E. Overlook Rd., H. S. Fishel, both Cleveland, O., and others, plan number dwellings and apartments, Allandale and Port Orange.

Fla., Coral Gables—R. L. Winters erect residence and garage, Tamiami Place.

Fla., Coral Gables—Geo. W. Hawkins erect \$10,000 residence, 1309 Avenue Obispo; Frank Burke, Archt.

Fla., Coral Gables—W. H. R. Hecht erect \$45,000 residence, 1800 Country Club Prado.

Fla., Coral Gables—A. Misrock erect 3 dwellings, 833-837 Avenue Majorca and 1216 Avenue Obispo; cost \$9500 each; H. L. Schwabke, Archt.

Fla., Coral Gables—Miss Clara M. Eller erect \$28,000 residence, Ortega St., Granada section.

Fla., Coral Gables—Gilbert & Moseley erect \$15,000 residence, 634 Alhambra Circle; J. T. Coppel, Archt.

Fla., Coral Gables—Paul McGarry erect \$30,000 residence, 913 Avenue Malaga.

Fla., Coral Gables—Rhombert-Wessel Co. erect \$10,000 dwelling, 1227 Lisbon St.; Sam Wyvill, Archt.

Fla., Coral Gables—Patrick Henry Maley erect \$15,000 residence, 1916 Ferdinand St.; C. B. Deer, Archt.

Fla., Coral Gables—E. H. Pierson, 953 N. W. 3rd St., erect \$45,000 residence, 809 Coral Way; 2 stories, 3 baths.

Fla., Daytona Beach—J. B. Jackson erect \$10,000 stucco and tile residence, Old Trail, Ocean Dunes subdivision; Jack Crowell, Contr., Halifax Ave., S. B.

Fla., Daytona Beach—Chas. Mitchell, Engr., Chicago, Ill., erect 48 dwellings, Seminole Country Club division, Daytona Gables; sell for \$7500 to \$10,000 each.*

Florida—Dewland Lumber & Building Co., Toledo, Ohio, erect number of dwellings on East Coast at different points between Palm Beach and Miami; medium size, standard California and Florida types, Spanish design. (Lately noted under Fla., Boynton.)*

Fla., Davenport—Mrs. Elizabeth P. Burns, Havana, Cuba, and 43 Kolmia St., New York, erect \$10,000 residence, Lemon St. and Miami Ave., Poinsettia Hills; plans drawn.

Fla., Jacksonville—Neil Christopher Co. erect \$10,000 dwelling, St. James St. near Hockaday St.; 2 stories, hollow tile; owner builds.

Fla., Jacksonville—Geo. Howard, care Howard Grain Co., A. C. L. Whse., Riverside Viaduct, erect \$40,000 residence, Granada; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Jacksonville—Lawrence Howard erect \$40,000 residence, Granada; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Jacksonville—A. E. Hutchins erect \$15,000 residence, Granada; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Jacksonville—Mark & Sheftall, 210 Clark Bldg., drawing plans for number dwellings.

Fla., Miami—F. W. Sadler, Olympia, reported to erect 1000 dwellings, West Palm Beach and Miami. (See Dwellings—Fla., West Palm Beach.)

Fla., Miami Beach—C. W. Carmichael erect \$15,000 residence and garage, Mid-Golf subdivision.

Fla., Miami Beach—Judge Grover Morrow erect \$15,000 residence and garage, Orchard subdivision; stucco, tile roof; Dickens & Burns, Archt.

Fla., Miami Beach—Thos. Galvin, care Golden Isles Corp., erect \$25,000 residence, N. Bay Drive, Golden Isles; Spanish type, 2 stories, 8 rooms; Lewis D. Brumm, Archt.; Werner & Philipps, Contrs.

Fla., Miami—Mrs. E. Pullen erect \$18,000 residence, N. E. 27th St. near Second Ave.; 2 stories; H. Geo. Fink, Archt., Congress Bldg.

Fla., Orlando—Gardiner M. Sherman erect \$16,000 residence, Shore Crest, Lake Ivanhoe; buff stucco, shale shingle roof, copper flashings and nails, 2-car garage with servants' quarters and bath; Percy Pamorrow Turner, Archt.

Fla., Panama City—Col. M. B. Hawkins, John Page and Wm. L. Wilson, erect 6 dwellings as first unit of number of dwellings to be erected as demand warrants.

Fla., Port Orange—S. J. Brady, etc. (See Dwellings—Fla., Allandale.)

Fla., Rockledge—Fred D. Baldwin plans residence, Valencia.

Fla., Sarasota—Home Building Syndicate, Leominster, Mass., purchased about 400 lots, Long Beach and Siesta Beach and reported to erect dwellings.

Fla., Sebring—Geo. Kline, Miami Beach, plans \$50,000 residence, Lakewood Terraces; also plans 15 additional dwellings.

Fla., South Palm Beach—South Palm Beach Builders, Inc., erect 5 frame and stucco dwellings and garages, Forest Ridge and Lakewood; cost \$3500 each.

Fla., St. Andrew—Chas. F. Balwanz erect \$12,500 residence.

Fla., St. Andrew—Henry M. Bass and John C. Calhoun, 3126 Perryville St., both Pittsburgh, Pa., plan number dwellings in connection with development.

Fla., St. Cloud—G. W. Sawyer and C. C. Atkins reported to erect 500 dwellings, New Eden on Lakes subdivision near St. Cloud.

Fla., St. Petersburg—Chas. D. Schaffner, Marion, O., plans residence, Pass-a-Grille.

Fla., West Palm Beach—Jas. A. Dew has tentative plans for 200 dwellings, first unit

on Dixie Highway; sell for about \$4500 to \$6000.

Fla., West Palm Beach—Roy H. Cole Building Co. erect 8 frame and stucco dwellings and garages, Morningside Park and west of Parker Ave.; total cost \$39,200.

Fla., West Palm Beach—J. L. Yates erect 8 frame and stucco dwellings and garages, Colonial Estates, Northwood and Northwood Hills; total cost \$26,500.

Fla., West Palm Beach—H. E. Rice erect dwellings and garages; total cost \$16,500.

Fla., West Palm Beach—F. W. Sadler, Olympia, reported to erect 1000 dwellings, West Palm Beach and Miami; total cost about \$8,000,000.

Ga., Atlanta—J. & F. Investment Co. erect 6 dwellings 580-90 W. Fair St.; 1 story, frame; total cost \$10,500.

Ga., Atlanta—E. C. Selz, 43½ Peachtree St., erect \$15,000 residence, 104 Fifteenth St.; 2 stories, brick veneer.

Ga., Waycross—T. D. Hereford and Dan Lott erect number of cottages connection with farm development.

Ky., Lexington—I. J. Engle erect 5 additional dwellings, Given Ave., East End; total cost \$28,000; 1 and 2 stories, 5 and 7 rooms, brick veneer.

La., New Orleans—T. Daille erect duplex, Wilson Drive and Orleans St.; cost about \$10,000.

La., New Orleans—Mrs. Waldo M. Mayer and Alvin Lichentag, 5501 S. Franklin St., plan 3 duplexes, Audubon St. near Hickory St.

La., New Orleans—J. W. Slickman erect \$10,600 raised bungalow, Wilson Drive and Delgado Ave.

Miss., Biloxi—D. D. Brodie and Jack Strauss erect bungalow, Hubbard Terrace; Carl E. Matthes, Archt.

Mo., Clayton (Ind. Branch St. Louis)—H. G. Zelle, 2900 Union St., erect \$11,000 residence, Moorland Park; brick, tile and stucco, 45x32 ft.

Mo., Clayton (Ind. Branch St. Louis)—John W. Webb erect \$12,800 brick residence and garage, block 1, Ames Place; 35x24 ft. and 16x18 ft.

Mo., Cape Girardeau—Mike Sarcaini erect \$10,000 to \$15,000 residence, N. Main St.

Mo., St. Louis—Jesse L. Bowling, 4345 Shaw St., drew plans for English type duplex, Davis Place.

Mo., St. Louis—C. A. Capen erect residence, University Hills.

N. C., Charlotte—C. P. Hendel erect residence, Ewing Ave.; cost about \$10,000.

N. C., Charlotte—R. R. Beatty, 217 W. First St., receiving bids for brick veneer residence; cost \$15,000, 2 stories, 50x60 ft., brick and concrete foundation, slate roof, moist air furnace, incinerator; F. L. Bonfoey, Archt., 6 N. Tryon St.*

N. C., Charlotte—Dr. E. S. Hamilton, Professional Bldg., let contract Sept. 22 for brick veneer and stucco residence; 2 stories, 45x60 ft., oak floors, brick and concrete foundation, slate roof, cost \$15,000; F. L. Bonfoey, Archt., 6 N. Tryon St.*

Okla., Tulsa—D. E. Buchanan, 237 E. Jasper St., erect \$20,000 residence and garage, 1392 E. 27th St.

Okla., Tulsa—Sam Dailey erecting \$11,000 residence and garage, 1371 E. 27th St.

Okla., Tulsa—H. C. Tyrrell, Mid-Continent Bldg., repair property, 307 E. 19th St.; cost \$21,000, including garage.

Tex., Athens—E. B. LaRue erect \$13,000 residence; hollow tile and stucco, 1-story, 20x90 ft.; Jos. R. Pelich, Archt., 213 W. T. Waggoner Bldg., Fort Worth.

Tex., Dallas—Greenland Hills Realty Co., Greenville, erect 2 brick veneer cottages, 5528-29 Merrimac St.; 6 rooms; total cost \$11,000.

Tex., Dallas—Tom Cranfill, 6700 Oram St., erect \$45,000 residence, 6215 Oram St.

Tex., Dallas—W. Johnson erect \$15,000 residence; brick veneer, 2 stories, 30x40 ft., tile baths; Sadler & Russell, Archts., 507 Melba Bldg.

Tex., Denton—J. L. Lacy erect residence, N. Locust St.; cost about \$10,000.

Tex., Fort Worth—A. J. O'Brien, W. T. Waggoner Bldg., erect \$17,000 residence; 2 stories, 37x60 ft., brick veneer; Jos. R. Pelich, Archt., 213 W. T. Waggoner Bldg.

Tex., Fort Worth—Oakhurst Land Co., First Natl. Bank Bldg., erect 14 dwellings, Oakhurst Addition; cost \$3500 to \$6500 each.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Fort Worth—F. V. Sprowls, 1937 Forest Park Blvd., erect \$18,000 brick veneer residence, 2005 Forest Park Blvd.

Tex., Fort Worth—T. J. Thompson, 2311 Lincoln St., erect 6 dwellings, 3035-07-21-23-25-27 N. Harding St.; total cost \$12,500.

Tex., Houston—Melver Streetman erect \$10,000 duplex residence and garage, 1659 Richmond St., Hale addition; 12 rooms, brick veneer.

Tex., Houston—T. E. Collbough erect \$12,000 residence, Turner addition; English type, 2 stories, 8 rooms, brick veneer; C. B. Schoeppl & Co., Archts., Humble Bldg.

Tex., Houston—W. N. Sangster, 3415 Audubon Place, erect residence, Huntingdon Place near River Oaks Blvd., River Oaks.

Tex., Houston—Fred C. Smith, Shadyside, erect \$45,000 residence, River Oaks; 2 stories, 11 rooms, brick and tile, English type; C. B. Schoeppl & Co., Archts., Humble Bldg.

Tex., San Angelo—R. P. Amacker erect \$25,000 residence; hollow tile and stucco, 2 stories, 30x60 ft.; Jos. R. Pelich, Archt., W. T. Waggoner Bldg.

Tex., San Antonio—Alfred Duerler, 210 E. Elmira St., plans 2-story English type residence, Terrell Rd., Terrell Hills; Aus. Herff & Co., Archts., San Antonio Loan & Trust Co. Bldg.

Tex., San Antonio—Dr. L. H. Hayden, 341 Argo Ave., Alamo Heights, plans 6- or 7-room residence, Catalpa St. near Carnahan St.

Tex., San Antonio—Thos. A. Moore, 417 Leal St., plans residence, Castro St. near 19th St.; 4 or 5 rooms, frame.

Tex., San Antonio—Robt. I. Settles, 1118 Kingshighway, plans residence, Beacon and Hill Sts.; 5 rooms, frame.

Tex., San Antonio—C. L. Hawkins, 222 Sandmeyer St., plans residence, Mason St. near Calhoun St.; 4 or 5 rooms, frame.

Tex., Terrell—Terrell State Hospital plans superintendent's residence.

Va., Crystal River—Mrs. Roy Thompson erect bungalow.

Va., Richmond—C. F. Sauer, Sr., 4230 N. Gray St., erect 2 dwellings, 1401 Sauer Ave. and 4200 Augusta Ave.; cost \$10,000 each.

W. Va., Charleston—Chas. A. Middelburg, 1425 Quarrier St., purchased residence site, Kanawha St. near Michigan Ave.

W. Va., Huntington—W. K. Gibson, 511 10th Ave., erect 12-room brick residence, Washington Blvd. near First St.

Government and State

N. C., Raleigh—State Prison Board, Geo. Ross Pou, Supt., Central Prison, authorized group of brick and concrete buildings at Caledonia Prison Farm; accommodate 600, dormitories, kitchen, dining hall, hospital ward, chapel; electric lights, running water, shower baths, etc.; cost about \$135,000.

Tenn., Tullahoma—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., authorized T. E. Richardson, Postmaster, to advertise for bids to be opened Oct. 13 for erection and equipment of post office; brick and hollow tile, 57x75 ft., 2 stories.

Va., Danville—City Council will appropriate \$25,000 toward armory building; consider erecting \$75,000 armory and market building.

W. Va., Charleston—State Board of Control, Jas. A. Lakin, Pres., soon let contract for garage building and servants' quarters at governor's mansion nearing completion.

Hospitals, Sanitariums, Etc.

Ala., Dothan—Fraser Hospital erect 30-room addition; C. Frank Galliher, Archt., J. Q. Brantley Co. Bldg., Tampa, Fla.

Fla., Bradenton—Manatee County Medical Assn. interested in erection of hospital; County Commrs. probably call bond election.

Md., Perry Point—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Room 791 Arlington Bldg., Washington, D. C., has low bid at \$183,700 from Algernon Blair, 11 S. Lawrence St., Montgomery, Ala., for mess hall and kitchen at U. S. Veterans Hospital No. 42; low bid at \$18,420 for refrigerating plant from Erick Co., Waynesboro, Pa.; elevator bld. Otis Elevator Co., New York, \$2828.*

N. C., Raleigh—State Hospital for Insane, Dix Hill, Dr. Albert Anderson, Supt., receives bids Sept. 29 for alterations and additions to 4 buildings; drawings and specifications on file at hospital and at office Chas. C. Hook, Archt.; separate proposals for plumbing; bidders on heating communicate with Wiley & Wilson, Engrs., Peoples National Bank Bldg., Lynchburg, Va.*

N. C., Wilson—Wilson, Berryman & Kennedy, I. O. O. F. Temple, Raleigh, advise have no commission to prepare plans for hospital for Ancient Arabic Order, Nobles of Mystic Shrine as lately reported.*

Okla., Oklahoma City—Wesley Hospital, 300 W. 12th St., plans \$250,000 building; 4 stories, brick and reinforced concrete, composition roof; Moore & Smith, Archts., 224½ W. 3rd St.

S. C., Columbia—Omar Temple, A. A. O. N. M. S., receives bids Sept. 30 at office of C. C. Campbell, Chmn. Hospital Comm., for hospital for crippled children, Eau Claire; 1 story and basement, hollow tile and brick, asbestos shingle roof, vapor modulation heat; two 10-bed wards, operating room, solariums, nurses' quarters, kitchens, etc.; Wilson, Berryman & Kennedy Archts., I. O. O. F. Temple, Raleigh, N. C., Charlotte, N. C., and Palmetto Bldg., Columbia.*

Tenn., Nashville—East Tennessee Hospital for Insane having plans drawn by Marr & Holman, Stahlman Bldg., Nashville, and Albert B. Baumann, Knoxville, for additions.

Va., Pulaski—Mrs. D. S. Divers, R. H. Woolling and R. F. Thornhill interested in erection of \$40,000 hospital.

Hotels and Apartments

Ala., Birmingham—Mrs. E. A. Johnson will erect \$15,000, two-story brick apartment, Ensley Ave. between 30th and 31st Sts.

Ark., Fayetteville—Western Methodist Assembly Hotel Committee, Dr. A. C. Miller, Chmn., 3816 N. 17th St., accepted offer of Southern Builders, Inc., Memphis, Tenn., to erect \$250,000 resort hotel; Sieg & McDaniel, Archts., Central Bank Bldg., Memphis; J. F. Turk, representative Southern Builders, Inc., authorized to organize stock company and incorporate for erection hotel.*

Fla., Allandale—S. J. Brady, Daytona, etc.; apartments, Allandale and Port Orange. (See Buildings Proposed—Dwellings.)

Fla., Arcadia—Whidden Bros., Frank McGuire and others promoting erection hotel.

Fla., Avon Park—Board of Trade promoting erection 300-room hotel.

Fla., Boulogne (P. O. Hilliard)—Fred S. Gray, Pres., Gray Co., 232 N. Forsyth St., Jacksonville, will erect Cliff Dwellings apartments in connection with development 271-acre site for tourist camp.

Fla., Brooksville—J. W. Russell, E. H. Hammond, Brooksville; H. N. Hires and others will erect \$150,000 hotel.

Fla., Clearwater—L. B. Skinner, developer of Mandalay on Clearwater Beach Island, reported to erect 250-room hotel.

Fla., Coral Gables—E. T. Ellis will erect apartment building, 114 Avenue Antilla; \$33,000.

Fla., Coral Gables—R. Bruce Kirkpatrick will erect 4-family apartment building, 902 Salzedo St.; \$33,000; also erect apartment buildings in Douglas and Biltmore sections.

Fla., Davie (R. D. from Fort Lauderdale)—Triangle Construction Co., it is reported, will be awarded contract for erection \$100,000 hotel on banks New River Canal being financed by Davie and Miami citizens; tentative plans call for 50 rooms with baths.

Fla., Daytona Beach—Commodore Hotel Corp. reported to start work Jan 1st on \$800,000, 14-story, brick hotel, Beach St.; 100x150 ft.; equipment and furnishings to cost \$100,000 to \$150,000; Wilson, Berryman & Kennedy, Archts., Palmetto Bldg., Columbia, S. C., I. O. O. F. Temple, Raleigh, N. C. and Daytona.

Fla., Homestead—Palm Hotel Co., W. D. Horn, Pres., has plans by Harvey & Clark, Palm Beach, for \$250,000 tourist hotel on Krome Ave.; five stories with roof garden, Spanish type, fireproof.*

Fla., Jacksonville—David Michael, Athens, Ga., will not erect apartment house, St. John's River front, as reported.*

Fla., Jacksonville—Abraham Liebling, 1351 N. Roosevelt Rd., and associates, Chicago, are having plans prepared by Pringle & Smith, Archts., Empire Bldg., Atlanta, Ga., for apartment hotel, Riverside Ave., St. Johns Ave. and Mallory St.; \$500,000.

Fla., Jacksonville—H. G. Hopkins and F. H. and T. T. Elmore. (See Buildings Proposed—Bank and Office).

Fla., Kissimmee—Bostain Bros. will remodel Casino building for 65-room hotel and cafeteria to be known as Arcade.

Fla., Lakeland—Mack Burns Co., 324 E. Main St., open bids about Oct. 20 for 3-story, 200x60-ft., hollow tile and stucco, 24-apartment building; Talley & Buckley, Archts., Hartell Bldg.

Fla., Lake Wales—Lake Wales Hotel Corp., H. A. Thullbery, Chmn. Bldg. Comm., selected Fred A. Bishop, Virginia Rwy. & Power Bldg. Richmond, Va., Archt. for \$500,000, 10-story, fireproof hotel.*

Fla., Miami—Construction & Holding Corp. will erect two-story, 16-family apartment house; \$40,000; F. E. Moore, Archt., 315 N. E. Second Ave.

Fla., Miami—Big Four Realty Co. will erect \$40,000, 12-unit apartment house, S. W. 20th Ave. and Sixth St.; J. C. Gault, Archt., Commercial Arcade.

Fla., Miami—Delany Investment Co. will erect three-story apartment building, N. E. Second Ave. near 17th St.; \$80,000, 16 units; Robt. L. Weed, Archt., 328 N. E. Second Ave.

Fla., Miami—A. Mink, 5009 Broad St., Philadelphia, Pa., reported to erect \$250,000 apartment house, Tamiami trail and Red road, Sylvania Heights.

Fla., Miami—A. Boyd will erect \$50,000, 12-unit apartment house, 1620 S. W. Fourth St.; cement block; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Miami—R. E. German will erect \$10,000 apartment house, N. W. Seventh Court near 53rd St.

Fla., Miami—F. L. Moody will erect \$10,000, four-unit apartment house, 153 N. E. 23rd St.

Fla., Miami—W. S. Arnett will erect \$10,000, two-story, 4-family apartment house, N. W. 31st terrace.

Fla., Miami—Geo. F. Call, 236 N. E. 21st St., and O. C. Oliff will erect 8-unit apartment house, N. W. 31st terrace near Eighth Ave.; \$25,000.

Fla., Miami—O. G. Draper will erect \$38,000, two-story, 10-family apartment house, W. Flagler St.

Fla., Miami—J. Engler will erect four rooming houses in N. W. Fourth Court near 18th Ave.; \$24,000.

Fla., Miami—Louis G. Hagan, 148 S. E. 14th Terrace, will erect \$40,000, 3-story, 12-family apartment house, S. E. Third Court; Martin Hauri, Archt.

Fla., Miami—J. H. and W. M. Quinn Inc., 225 N. E. First Ave., reported to erect 12-story hotel on Tamiami Trail.

Fla., Miami—O. E. Tussing, Tussing Realty Co., First Natl. Bank Bldg., plans to erect 28-family apartment, Miami Suburban Acres subdivis.on; \$30,000.

Fla., Miami—F. W. Thorp will erect 8-unit cement block apartment house, N. W. 32nd St. and Third Ave.

Fla., Miami—Upton Brothers, 434 S. W. 10th Ave., will erect 3-story, 12-unit apartment house, S. W. 10th St. between Fourth and Fifth Aves.; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Miami—Wolpert Realty & Improvement Co., 200 W. Flagler St., will erect two semi-detached apartment buildings, S. W. Sixth St. near Lawrence Drive; three stories, accommodate 100 families, Venetian tile and ornamental iron trim.

Fla., Miami Beach—Frank Lipski has permit for erection \$160,000, 97-room hotel, Meridian Ave.

Fla., Miami Beach—Dr. S. S. Boyle will erect 24-room apartment house in Lincoln subdivision; \$50,000.

Fla., Miami Beach—Arthur C. Akin will erect \$70,000, three-story apartment, Ocean Beach No. 3; 23 families.

Fla., Miami Beach—City, C. W. Tomlinson, Clerk, will erect three-story concrete block apartment house for employees; plans by Mediterranean Architectural Studio, 624 Collins Ave.; bids opened.*

Fla., Palmetto—Dr. B. C. Floyd will erect two-story apartment house, Bay and Harlee Sts., West Palmetto.

Fla., Pensacola—W. B. Harbeson is having plans prepared by Emile Weil, Whitney Annex, New Orleans, and Walker D. Willis, Pensacola, for 335-room addition to San Carlos Hotel; 175-room unit on Palafox St. and 160 rooms on Garden St.; cost \$1,000,000.

Fla., Port Orange—S. J. Brady. (See Hotels and Apartments—Fla., Allandale.)

Fla., Sanford—Davy-Winston Co. erect \$50,000, 2-story, Spanish-type, 14-apartment building; tile roof, stucco finish, 14 garages in rear; plans to erect 5 apartment buildings on property adjoining.

Fla., Sarasota—Joseph Greenburg plans to erect 8-story store, office and 30-apartment building; also two 4-story apartment buildings, 24 rooms; elevators.

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Fla., Sebring—Marfisi & Coleman, developers and owners of Park Ridge, reported to erect 300-room hotel to cost \$1,500,000.

Fla., St. Petersburg—N. J. Dayan will erect \$16,000, two-story apartment building, 13th St. between Seventh and Ninth Aves.; eight suites.

Fla., St. Petersburg—S. H. Atha will erect two apartment houses on Livingston Ave. between Broadway and Cathcart Sts.; \$18,000; also erect combination residence and garage on Livingston Ave.; \$8000.

Fla., Tallahassee—Pickard Realty Co., will erect apartment house in Solana Terrace suburb.

Fla., Tampa—Wilbraham Realty Corp., Jay G. Wilbraham, Pres., reported having plans prepared for \$5,000,000 hotel near Tampa; 750 rooms.

Fla., West Palm Beach—Citizens Bank, E. E. Rumsey, Cash., will erect 8-unit apartment building for employes.

Fla., Williston—Henry Anderson plans to erect apartment building, Church and Willis Sts.

Fla., Winter Haven—J. E. Powell, of Powell & Whiteside, will erect two apartments, First St. and Silver Ave.

Ga., Chatsworth—C. C. A. Reetz, Miami, Fla., plans to erect hotel, provide park, lakes, etc., at Mount Vista in Cuhutta Mountains near Chatsworth.

Ga., Waycross—First National Bank, C. V. Stanton, Cash., will erect 50-room addition to Phoenix Hotel, leased by Dinkler Hotel System, L. J. Dinkler, Pres.

Ky., Hazard—Gault Apartment House on Central St., recently burned, will be rebuilt. Address the Proprietor.

Md., Annapolis—Mrs. Rella Abell Armstrong, 348 W. 23d St., New York, reported completed negotiations for financing \$1,500,000, 250-room hotel on Belmont estate, include 18-hole golf course and tennis court.

Mo., Norborne—Management, Commercial Hotel plans to rebuild hotel to replace structure damaged by fire at loss of \$20,000.

N. C., Durham—B. O. Rigsbee, Club Blvd., will erect \$50,000, 12-apartment building, Trinity Ave.; 3 stories, brick, limestone trim.

Okla., Sulphur—Max Barschow will erect \$60,000 structure to replace Park View Hotel.

S. C., Charleston—Isle of Palms, Inc., Charles R. Allen, Pres., 16 Vendue Range, Charleston; C. L. Cobb, Vice-Pres., Rock Hill; Ben Hurt Hardaway, Vice-Pres., Contr. of Columbus, Ga., formed with capital stock of \$250,000; plan 18-hole golf course, hotel, 30-ft. bridge between Sullivan's Island and Isle of Palms.

Tenn., Athens—G. F. Lockmiller, Pres., Citizens National Bank, will erect \$150,000 hotel in Anderson block; 80x170 ft., 3 stories and basement, 60 rooms with baths; Manley, Young & Myers, Archts., Knadle Bldg., Knoxville.

Tex., Dallas—Lonnie Hancock will erect two-story, 10-room brick veneer two-apartment, 4108-10 Prescott St.; \$10,000.

Tex., Dallas—H. N. McNeal will erect three 8-room brick veneer apartments, 603-11 Griffin St.; \$19,500.

Tex., Dallas—W. Fred Pearson, Central Bank Bldg., will erect \$35,000, 47x85 ft., 2-story and basement apartment building, Harwood St. between McKinney and Cedar Springs; 16 apartments, brick veneer, reinforced concrete; Sadler & Russell, Archts., 507 Melba Bldg.

Tex., Dallas—J. B. Small, 5004 Airline Road, will erect \$40,000, 24-room, brick veneer, 8-apartment building, 1519 Bennett St.

Tex., Harlingen—J. J. Burk, Weslaco, rejected bids for erection three-story, brick, tile and reinforced concrete hotel; construct by day labor; receive mechanical bids soon.*

Tex., Houston—Mrs. S. A. McMeans, 425 Marshall St., will erect 4-apartment brick veneer building, Chelsea Blvd. and Louisiana St.; J. W. Northrop, Jr., Archt., West Bldg.; bids in two weeks.

Tex., Houston—W. A. Edge will erect 4-apartment building with garage, 527 Colquitt St.; \$13,000.

Tex., Houston—Mrs. Estelle Sparks will erect three-unit brick veneer apartment house, 1401 Blodgett St.; \$13,000.

Tex., San Antonio—C. C. Jackson, 731 Jackson St., will soon take bids for \$12,000, two-story frame apartment building Jackson St near Main Ave.

Miscellaneous

Fla., Daytona Beach—Daytona Shores, Inc., John B. DeVoney, Miami, Pres.; Folger

Johnson, Archt., Portland, Ore.; W. B. Hodges, Ch. Engr., acquired property along Halifax and Tomoka Rivers; plans resort development; include hotel and casino, hippodrome, yacht club, etc.

Fla., Miami—Clyde Steamship Co., L. G. Lewis, Commercial Agt., will erect barracks, N. W. Sixth Ave. and Sixth St., to house dock workers; two stories, cement block; kitchen and dining room on first floor, dormitory on second floor to accommodate 200 men.

Fla., Tampa—Circo Galloti, Prop., Galloti's 12th St. and Pennsylvania Ave.; Washington, D. C., plans erection \$200,000 Italian-American octagon shape restaurant on 35-lot site on E. Broadway; accommodate 400 patrons.

Ga., Atlanta—Atlanta Athletic Club, 37 Auburn Ave., has permit to install two electric passenger and one electric freight elevator in building, 36 Carnegie Way; \$35,000.

Md., Baltimore—City Club Building Co., John L. Alcock, Pres., Mansey Bldg., plans to proceed with erection of proposed club building at Saratoga St. and St. Paul Place; is having plans revised by Clyde N. and Nelson Friz, Lexington Bldg., for structure; cost \$650,000, with site; 5½ stories, 110x70 ft., Italian renaissance architecture, with heavy terra cotta cornice; first floor for stores and lobby, second and third for offices, fourth for club rooms, lounge, billiard room and assembly hall and top floor for kitchen.

Mo., Springfield—Acacia Club will soon begin construction \$60,000 clubhouse.

Tenn., Knoxville—Knox County Women's Christian Temperance Union, Mrs. F. A. Elsele, Pres., plans establishment of home for girls.

Tex., Farwell—Ribble & Ribble, Archts., Lubbock, preparing plans for combination clubhouse and gymnasium.

Tex., San Antonio—American Express Co., J. M. Dunham, Supt. of Bldgs., will soon let contract for construction addition to building at Southern Pacific Ry. Station; cost \$18,000, one story, brick, tile and concrete.

Va., Salem—Lutheran Orphans' Home Building Comm., Chris Markley, Chmn., Roanoke, will erect 40x100-ft. brick administration building, four dormitories, 40x80, automatic vapor heating plant, dairy and grain barn; Geo. C. Baum, Archt., 1511 Arch St., Philadelphia; T. J. Davis, 801 Virginia Ave., Virginia Heights, Roanoke, lowest bidder at \$172,800.*

Railway Stations, Sheds, Etc.

Fla., Miami—Seaboard Air Line R. R., W. D. Faucette, Ch. Engr., Norfolk, Va., reported to erect passenger station on W. Flagler St., west Douglas road.

Schools

Ala., Brighton (Br. Bessemer)—School Board, C. L. Farley, member, will erect two-story and basement school, Church and Main Sts.; brick, 10 rooms.

Ark., North Little Rock—North Little Rock Special School District, J. F. Willis, Sec., plans rebuilding high school recently burned; \$75,000 to \$100,000, 3 stories.

Ark., Watson—Watson Chapel School Board, Judge J. L. West, Sec., will call for bids about Sept. 30 for erection 12 to 14-room, brick veneer school; \$35,000 bonds available; C. M. Hurst, State Supt. of Schools, Little Rock.*

Fla., Daytona—City voted \$800,000 bonds for school building and expansion; include 2 grammar schools, addition to junior high, probably addition to senior high. Address Board of Education.

Fla., Jacksonville—Duval County Board of Public Instruction, G. E. Wilbur, Supt., rejected bids for erection elementary school, 10th and Market Sts.; Miss H. C. Dozier, Archt., Blsbee Bldg.; Wm. B. Ittner, Supervising Archt., Board of Education Bldg., St. Louis.*

Fla., Miami—Dade County Board of Public Instruction, Chas. M. Fisher, Supt., receives bids Sept. 29 for Mirimar and Miami Beach schools; bids Oct. 6 for Shenandoah Junior High School.

Fla., Miami—Jesuit Fathers, Very Rev. E. Cummings, Superior, will erect high school in Alhambra Heights; consist of chapel, school and rectory, stadium and recreation grounds.

Fla., New Smyrna—Volusia County Board of Public Instruction, George W. Marks, Sec., DeLand, receives bids Oct. 20 for erecting high school building; plans and specifications may be obtained from W. J. Carpenter, Archt., DeLand.

Fla., Palm Beach—John M. Lindsay and others interested in acquiring and remodeling Stotesburg Estate for home for teachers.

Ga., Atlanta—Atlanta-Southern Dental College, Dr. R. R. Byrnes, Dean, will erect \$160,000 building, initial unit of \$500,000 plant, Courtland St. and Forrest Ave.; 85x130 ft., 4 stories, reinforced concrete, concrete and composition floors, concrete and 5-ply tar and gravel roof, concrete floors, hollow and interior tile, metal doors, ornamental terra cotta, steel sash and trim, wire glass, ventilators; furnishings and equipment, \$125,000; steam vacuum heat, Otis elevator; McDonald & Co., Engrs., Hurt Bldg.; contract let Sept. 23.*

Ga., Atlanta—Georgia School of Technology is having plans prepared by Pringle & Smith, Atlanta Trust Bldg., for chemistry building; three stories, Jacobean design, brick, limestone trim, lecture room to seat 250.

Ga., Augusta—Academy Building Commission receive bids Oct. 20 for 3-story, semi-fireproof, brick trimmed with limestone Academy of Richmond County, to cost \$350,000 exclusive of equipment; 29 classrooms, laboratories, special rooms, shops, gymnasium, auditorium, showers, etc.; tar and gravel roof, maple floors; Scroggs & Ewing, Archts., Lamar Bldg.*

Ga., Fitzgerald—City voted \$90,000 bonds for schools, etc. Address Board of Education.*

La., Baton Rouge—Louisiana State University, R. L. Himes, Sec. Bldg. Comm., receives bids Oct. 2 for athletic dormitories and open-air theater; plans and specifications at office Wogan & Bernard, Archts., Old Reymond Bldg., Baton Rouge.

La., Bastrop—Morehouse Parish School Board, E. D. Shaw, Sec., Bastrop, receives separate bids Oct. 6 for erection high school building at Bastrop and auditorium building at Collinston; plans and specifications at office J. E. Smith, Archt., Ouachita Bank Bldg., Monroe.*

La., Collinston—See La., Bastrop.

La., Gretna—Jefferson Parish Board, V. A. Pitre, Pres., selected 4 New Orleans architects prepare plans for 12 schools, to cost \$478,450; bids to be called in about 30 days; William T. Nolan, Canal-Commercial Bldg., 2 schools in First Ward, \$216,582; Jones, Roessle & Olschner, Maison Blanche Bldg., building in Second Ward, \$32,306, school in Third Ward to cost \$22,848, and Fourth Ward, \$37,242; William R. Burk, Balter Bldg., 2 schools in Barataria section, \$6678, and 1 in ward 9 to cost \$82,520; Theodore L. Perrier, 310 Carendole St., 2 in Ward 7, \$16,290, and 2 in Ward 8, \$63,915.

La., Monroe—St. Matthew's Church, Rev. N. F. Vandegear, Pastor, Grammont St., will erect school at Jackson and Grammont Sts.

La., Rayne—Arcadia School Board, Crowley, will erect \$35,000 school; two stories, 133x100 ft., hollow tile walls and wood joist, wood floors, concrete foundation, composition roof, hollow tile, ventilators; W. R. Burk, Archt., Balter Bldg., New Orleans.

Md., Owings Mills—Wm. W. Emmart, Union Trust Bldg., Baltimore, is drawing plans for proposed dormitory at Roosevelt State Training School, Dr. Frank W. Keating, Supt.; \$100,000.

Mo., Fisk—Board of Education receives bids Sept. 30 for high school building.

Mo., Kansas City—Methodist Episcopal Church, Bishop E. L. Waldorf, Chmn. Bldg. Comm., purchased 70-acre tract for proposed Methodist University.

Mo., La Grange—La Grange School District voted \$35,000 school bonds. Address Dist. School Trustees.

Mo., St. Louis—Board of Education, Richard Murphy, Chmn. Comm. on School Buildings, having plans prepared for negro school, Market, Laclede and Cardinal Ave.; \$877,000.

N. C., Greensboro—North Carolina College for Women, Dr. J. I. Foust, Pres., receives bids Oct. 10 for erection, heating, plumbing and electric equipment of auditorium and education buildings; cost \$350,000 and \$250,000, respectively; separate bids for each building and for two buildings jointly; plans and specifications at office Harry Barton, Archt., Jefferson Bldg.

N. C., Greensboro—Immanuel Lutheran College, Dr. H. Nau, Pres., will erect \$50,000 building.

Okla., El Reno—Board of Education, E. C. King, Pres., receives bids Oct. 5 for addition to high school in District No. 34; plans and specifications at office Hicks & Forsythe, Archts., Oklahoma City.*

Okla., Norman—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, will erect two \$150,000, three-story and basement, brick, stone and reinforced concrete girls' and boys' dormitories at University of Oklahoma; Jewell Hicks, Archt., 19½

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W. Main St., Oklahoma City; bids opened Sept. 22.*

Okl., Tahlequah—State Board of Affairs, Carl L. Rice, Chmn., Oklahoma City, will erect \$45,000 auditorium and classroom building at Northeastern State Teachers' College; Jewell Hicks, Archt., 19½ W. Main St., Oklahoma City; bids opened Sept. 22.*

S. C., Blacksburg—City voted \$100,000 bonds to erect proposed school; J. L. Hancock, Chmn. Board School Trustees; Willis Irvin, Archt., Lamar Bldg., Augusta, Ga.*

S. C., Lone Star—Pine Grove School Dist. No. 4 will erect high school near Lone Star; J. B. Urquhart, Archt., Palmeto Bldg., Columbia; P. L. Geiger, Calhoun County, Supt. of Education, St. Matthews.

Tenn., Athens—Athens Academy, C. H. Wilson, Prin., plans to rebuild structure to replace building damaged by fire at loss \$15,000; contemplated building will be brick, steel, concrete and tile; financed by Freedman Board, Pittsburgh, Pa.

Tenn., Dayton—Bryan Memorial Assn., F. E. Robinson, Pres., plans erection \$200,000 university.

Tenn., Knoxville—Marr & Holman, Stahlman Bldg., Nashville, and Albert B. Bauman, Knoxville, Associated Archts., preparing plans for additions to Tennessee School for Deaf.

Tex., Austin—Lutheran Church, Missouri Synod, care Rev. K. G. Manz, Sec., 603 E. 16th St., will erect administration building and power house at Texas Lutheran College; two stories and basement and one story hollow tile and concrete; plans complete about Nov. 15; other buildings to follow: Units 3-4, two dormitories; unit 5, six professors' cottages; unit 6, gymnasium; unit 7, library; unit 8, chapel; ultimate cost \$400,000; Harvey P. Smith, Archt., Natl. Bank Commerce Bldg.

Tex., Artesia Wells—Artesia Wells School Dist. will erect brick school; \$12,000 bonds voted. Address Dist. School Trustees.

Tex., Nordheim—School Board plans to erect building; election Sept. 30 on bonds.

W. Va., Hedgesville—School Board plans to erect building election Oct. 20 on \$75,000 bonds.

Stores

Fla., Brooksville—W. S. McGregor, Pres., Whitney-McGregor Co., Minneapolis, will erect business building, Main St.

Fla., Jacksonville—Reider Co., 915 N. Bay St., Geo. Reider, Pres., will remodel two-story brick building, Bay and Davis Sts., for store and office building; stucco with Spanish effect.

Fla., Kissimmee—S. Y. Way, 15 S. Orange St., Orlando, reported to erect arcade building.

Fla., Lemon City—Wm. Matlack will erect \$21,000 store building, N. E. 62nd St. and First Court; concrete.

Fla., South Jacksonville (Sta., Jacksonville)—Akra Bros., 1938 Main St., Jacksonville, T. K. Akra, Pres., will erect brick building, 109 E. St. John's Ave.

Fla., Tampa—Col. W. F. Stovall. (See Buildings Proposed—Bank and Office.)

Fla., West Palm Beach—Mrs. Clara A. Stypman erect \$20,000 arcade building, Datura St.

Fla., Winter Haven—Henry J. Levy, Prop. Levy Guarantee Store, will soon start construction 2-story brick building, Central Ave.; 50x100 ft., plate glass show windows.

Fla., Winter Haven—DeWitt E. Taylor; six-story building; section to be occupied by Balfour Bros. Furniture Co. (See Buildings Proposed—Bank and Office.)

Ga., Atlanta—W. H. Sharp will remodel 3-story building, 65 S. Broad St.; \$14,000.

Ky., Lexington—Buford E. Allen, 124 S. Hanover Ave., will erect \$10,000, two-story business building and apartment, 173-175 E. High St.; stone foundation, brick.

Ky., Thornton—G. Basham erect store building; contract at once.

La., New Orleans—E. M. Reynes, Archt., 1418 Bourbon St., soon complete plans for \$10,000, 1-story, brick store building, Magazine and Third Sts.; received sub-contract bids for \$20,000, 2-story, frame store and apartment building, Adams Ave.

La., Shreveport—Z. R. Lawhon, 3206 Samford Ave., plans to erect \$20,000 brick building, Greenwood Road and Portland Ave.

Okl., Tonkawa—Frank Cutsinger will erect 25x75 ft. brick store, 300 block S. Main St.

Tex., Dallas—L. O. Daniel, Cedar Crest, will remodel brick building, 208 S. Lamar St.; \$60,000.

Tex., Dallas—D. R. Lindley will erect five brick stores, 4030-32 Elm St.; \$21,000.

Tex., Dallas—C. D. Pantayge will erect addition and remodel brick stores, 4010-12 Ross St.; \$10,000.

Tex., Dallas—Frank B. Slater, 3206-10 Ross Ave., will erect \$30,000 business building, Ross Ave. and Pavillion St., for Fishburn Dry Cleaning Co.; two stories, 70x73 ft., brick, tar and gravel roof, rubber tile, marble and tile floors; E. Ross Chamberlain, Archt., 709 Wilson Bldg.; taking bids.

Tex., San Antonio—Martin Wright, 308 E. Houston St., will soon take bids for erection \$15,000 business building, Main Ave. and Dolores Ave.; one story, brick and concrete; Henry T. Phelps, Archt., Hicks Bldg.

Tex., San Antonio—Rogers-Hill Co., Travis Bldg., will erect \$45,000, two-story brick and concrete building, Houston and Loysoya; Geo. Willis, Archt., Builders Exchange Bldg.

Va., Richmond—Leroy Goldberg, 2800 Monument Ave., erect \$12,000 brick stores, 21st and Broad Sts.

Va., Roanoke—Jamison interests and Dr. J. C. Croft, of Croft Pharmacy, 1120 London Ave., N. W., will erect \$15,000 building; two stories.

Theaters

Ark., Jonesboro—Jonesboro Amusement Co. will soon let contract for Strand Theater, Church and Monroe Sts.; \$75,000 to \$100,000.

Ark., Little Rock—T. W. Sharp, Luxon Apts., will erect \$10,000 moving picture theater, 620 Beech St.

Fla., Miami—Arthur Voegtlin, 140 W. 42nd St., New York, prepared plans for Theater of Mirth, to be erected on 2800-acre site, Miami Shores, near Arch Creek, to be used in connection with pagant known as "Florida, the Land of Nature's Mirth," Dec. 15; production given 200x300 ft., surrounded by adobe wall 10 ft. high and 3 ft. thick, entrance through Spanish gates; theater 100x150 ft. with stage 60x60 ft., seating capacity 1500; theater, grounds and furnishings, \$500,000.

Fla., St. Petersburg—Fred L. Smith erect \$400,000 office and theater building, Third St. and First Ave. North; Henry F. Cunningham, Archt. (See Buildings Proposed—Bank and Office.)

Ga., Atlanta—Keith's Theater has permit

to install electric passenger and electric freight elevator in building, 204-06 Peachtree St.; \$10,000.

Mo., St. Louis—Henri Chouteau, International Life Bldg., purchased Liberty Theater, Delmar Blvd. west of Grand, and will remodel and redecorate.

Tex., Houston—Main Realty Co., Wm. Epstein, 310 E. Craig St., Pres. San Antonio, will erect \$500,000 theater and hotel building, McKinney Ave. and Main St.; six stories, two balconies, brick, hollow tile and reinforced concrete; Joseph Finger, Archt., Keystone Bldg., San Antonio; Tellepsen Construction, Main Blvd., Houston, lowest bidder.*

Tex., Palestine—J. S. Bonner contemplates erection brick and concrete theater.

Tex., San Benito—E. F. Brady contemplates erection \$50,000 theater; two stories, brick and concrete; seating capacity 1000.

Warehouses

D. C., Washington—District Commrs., Room 509 District Bldg., receives bids Oct. 5 for construction fireproof storehouse; information at Room 427 District Bldg.*

Fla., Kissimmee—Gulf Refining Co., Walter Marter, Local Mgr., will construct storage and distributing plant on Central Ave.; cost \$50,000, warehouse 50x73 ft., six-compartment garage and six 10,000-gal. tanks, office building.

Mo., Kansas City—E. J. Dietrick, 506 E. 71st St., will erect \$15,000, one-story warehouse, 5141-47 Mercer St.

Tenn., Knoxville—Edelen Transfer & Storage Co., 713 N. Broadway, will erect 5-story fireproof annex, N. Broadway and Holston St.

Tex., Houston—Crane Co., care U. H. Groenlund, Branch Mgr., 2205 McKinney Ave., will soon take bids for erection \$200,000 warehouse and office building, McKinney Ave. and Hutchins St.; 100x240 ft. three stories and part basement, brick, reinforced concrete and tile; Alfred C. Finn, Archt., 501 Bankers Mortgage Bldg.*

Tex., Weslaco—Walter Berhalen, Kirby Bldg., Dallas, will erect one-story, 71x156 ft., corrugated iron warehouse; sheet iron walls and roof, frame, wood floors; F. J. Woerner & Co., Archts., 503 Central Bank Bldg., Dallas.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ky., Newburg—Free and Accepted Masons (Colored) let contract for \$25,000 home.

Okl., Holdenville—Independent Order of Odd Fellows let contract at \$30,000 to Dougherty-Gunn Construction Co. for building; Tonini & Bramblett, Archts., 416½ W. Main St.*

Okl., Tonkawa—Ralph Browne Post, American Legion, Elmer S. Rutherford, Post Comdr., erect building; L. S. Fisher, Archt.-Constr.; raising funds.

Tenn., Nashville—Tennessee Grand Lodge, I. O. O. F., J. J. Coyle, Chmn. Bldg. Comm., Jefferson City, let contract at \$125,640 to Foster & Creighton Co., Fourth and First National Bank Bldg., for frame of \$890,000 Medical Arts and Grand Lodge Bldg., 117 Seventh Ave., South; Bryan, Semmes & Brodge, Memphis; 12 stories and basement, reinforced concrete faced with brick and stone and ornamental terra cotta, fireproof; auditorium seat 1000, 70-car garage; N. A. Sundholm, Archt., care Bryan, Semmes & Brodge, and Alsop & Callanan, Rand Bldg., Archts., all Memphis.*

Bank and Office

Fla., Coral Gables—Coral Gables, Inc., erecting \$75,000 Arts Center Bldg., Douglas Rd.; Phineas E. Paist, Archt.; Coral Gables Construction Co., Contr.

Fla., Miami Beach—N. B. T. Roney, 512 Collins Ave., add 2 stories to Miami Beach Bank & Trust Co. building, Sixth St. and Collins Ave.; cost \$26,000; Robt. A. Taylor, Archt.; J. C. Gaffney, Contr., both 2248 N. E. 2nd Ave.

Fla., Miami—Shoreland Co., 125 E. Flagler St., Hugh M. Anderson, member, let contract to Geo. W. Langford, Hotel McAllister, for first 2 stories of 18-story office arcade building, E. Flagler St., N. E. First St. and N. E. First Ave.; present cost \$750,000, ultimate cost \$2,000,000; steel and concrete, irregular shape, 75x50x150 ft., space for 5 elevators,

2 arcades; 40 stores and 36 offices; Pfeiffer & O'Reilly, Archts., Hahn Bldg.*

N. C., Charlotte—John S. Cansler and E. T. Cansler, Jr., 506 E. Ave., remodeling building, 22-26 E. Fourth St., to be occupied by Grinnell Co. for Southern offices; cost \$12,500; J. P. Propst, Contr., 429 S. Church St.

N. C., Charlotte—R. H. Bouligny, Inc., 27 W. First St., have electric contract for \$650,000 Wilder Bldg., Tryon and Third Sts., for Kenneth M. Blake; Willard G. Rogers, Archt., Latonia Bldg.; J. A. Jones Construction Co., Contr., Realty Bldg.*

N. C., Hickory—Dr. O. L. Hollar let contract for \$100,000 office building, 13th Ave.

S. C., Prosperity—Bank of Prosperity, Dr. G. Y. Hunter, Pres., let contract to J. E. & D. A. Cannon, 1008 Duke Ave. for \$15,000 building; Lafaye & Lafaye, Archts., 1224 Sumter St., both Columbia.*

Tex., Houston—J. C. Nolan, 4405 Greeley St., has contract for plumbing and vapor heating systems for Cravens, Dargen & Co., Inc., \$50,000 reinforced concrete, brick and steel office building, Holman Ave. and Fannin St.; steel sash and glazing, R. B. Everett & Co., 3118 Harrisburg Blvd., at \$1500; lathing and plastering, J. W. Secor & Co., 3006 Bagby St., \$2900; structure fireproof, 2 stories, 50x121 ft., cement floors, tar and gravel roof; foundation poured; Walter Gray, Archt.; G. C. Street Construction Co., Inc., Contr., Box 1943.*

Churches

Fla., Coconut Grove—Forbes Manufacturing Co., Hopkinsville, Ky., has contract for seating and pulpit furniture for \$250,000 church under construction to be called William Jennings Bryan Memorial Church, Rev. Foster W. Taylor, pastor.

Ky., Paducah—West End Baptist Church, Rev. C. H. Gregston, Pastor, started work

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on \$10,000 building, 28th and Clark Sts.; E. C. Dalton, Contr.

Ky., Winchester—Church of God, Hickman and Buckner Sts., erecting \$10,000 basement and main auditorium building; brick veneer, 40x60 ft., cement and wood floors, shingle roof; John Chrane, Archt.; Ward & Stevenson, Contrs. (See Machinery Wanted—Church Furniture.)

Md., Baltimore—Abbott Memorial Presbyterian Church, Dr. David Hughes, pastor, erecting \$50,000 to \$60,000, brick community building, Highland Ave. and Bank St.; gas heat; John Freund, Archt., 1307 St. Paul St.; John Hiltz & Sons Co., Contrs., 343 St. Paul Plaza.

Miss., Aberdeen — First Baptist Church erect \$75,000 building; Chastang Construction Co., Contr., Jackson.

Okla., Holdenville—Gas Steam Radiator Co. has heating contract for \$50,000 First Christian Church building; steel, Midwest Steel Co., First Natl. Bank Bldg.; stone and brick trim, Lumberman's Supply Co., American Natl. Bank Bldg., all Oklahoma City; American Sash and Door Co., Mayo Bldg., Tulsa; electric work, Holdenville Electric Co.; plumbing, Wherry Plumbing Co., Monnett & Reid, Archts., Empire Bldg., Oklahoma City; Votaw-Lang, Contrs., Box 211.*

Okla., Tulsa—Sacred Heart Parish let contract at \$181,000 to Reinhart & Donovan Co. (lately noted Donovan Construction Co.), 803 Tradesmens National Bank Bldg., Oklahoma City, for church and rectory; brick, structural steel and reinforced concrete, 1 and 2 stories, 90x130 ft. and 38x100 ft., cement, terrazzo, tile and hardwood floors, concrete foundations, composition roofs, hollow and interior tile, metal doors, vaults, ornamental terra cotta, steel sash and trim; Barry Byrne & Ryan, Archts., 6720 S. Lincoln Blvd., Chicago, Ill.*

S. C., Landrum—Baptist Church erecting building; C. M. Guest, Contr., Anderson.

Tenn., Hollywood (Branch Memphis) — Hollywood Methodist Church, Rev. Richard Bushby, Pastor, erect \$35,000 building, Speed Ave. and Hardin St.; brick and stone, auditorium seat 500, \$7500 organ; Hubert T. McGee, Archt.; J. H. Welsh, Contr., both Memphis.

Tenn., Vestal (Mall Knoxville)—Jones Chapel M. E. Church, Rev. G. T. Francisco, Pastor, Martin Mill Pike, let contract to B. T. Thomas, Knoxville, for \$40,000 to \$50,000 brick building.*

Va., Cherrydale (Branch Washington)—Baptist Church, Rev. P. E. Gatlin, started work on \$28,000 building.

City and County

Fla., Rockledge—City let contract at \$25,000 to W. H. Bower and L. I. Spidell for city hall; plumbing, Higgs & Huntington; painting, L. B. Adkins.

Fla., St. Petersburg—Raymond Concrete Pile Co., Gen. Contr., 101 Marietta St., Atlanta, Ga., let contract to Baker & Baker, 115 Eighth St., North, for casino on municipal pier; cost \$110,000, reinforced concrete, hollow tile and stucco, tile floors and roof; sub-contracts not let.

Ky., Owensboro—City Council let contract at \$31,200 to Hagan & Davis for city hall; lighting, \$447, Lambert-Grisham Co., both Owensboro; plumbing and heating, \$4525, Jenkins & Neeley, Greenville; 2 stories and basement, 50x100 ft.; Harry E. Boyle & Co., Archts., Evansville, Ind.*

N. C., Fayetteville—Durham Book & Stationery Co., W. Main St., Durham, has contract at \$7934 for Cumberland County courthouse furniture; shelving equipment, Art-Metal Co. \$6660; window shades, Cunningham Springless Shade Co., N. Spring St., Greensboro, \$1032; shelving equipment, Art-Metal Co., \$6660.*

Tex., Galveston — Galveston County let contract to Pauly Jail Building Co., 2215 De Kalb St., St. Louis, Mo., to enlarge jail; cost about \$14,000.

Tex., Marshall—Harrison County let contract at \$45,000 to Southern Steel Co., 4500 block S. Presa St., San Antonio, and Slaughter Bldg., Dallas, for fireproof jail; brick, concrete and steel, 2 stories, 35x52 ft.*

Tex., San Antonio—City, John W. Tobin, Mayor, let following contracts for chairs for municipal auditorium under construction: G. A. Stowers Furniture Co., 301 W. Houston St., \$10,935; Southwestern Seating Corp., 818 S. Presa St., \$26,654; Burk-Moorehead Furniture Co., 121 Main St., \$19,988.*

Dwellings

Ala., Birmingham—Tom M. Starney, P. O. Box 151, let contract to J. L. Carrigan, Third Ave., for brick veneer residence, 11 Norwood Circle; 2 stories, 8 rooms and bath, hardwood

floors, brick foundation, concrete tile roof, plaster board, ventilators, steel sash and trim; P. S. McWhinney, Archt., Woodward Bldg.*

Fla., Coral Gables—Mrs. Annie C. Carter erect residence, 1142 Avenue Milan; cost about \$10,000; Jarratt & Riley, Contrs.

Fla., Coral Gables—Howard P. Carlson erect \$11,500 residence, 1317 Avenue Obispo; Frank Summers, Contr.

Fla., Coral Gables—T. H. Lanier, 1119 S. W. 12th Court, erect \$15,000 residence, 916 Avenue Medina; Henry H. Jordan, Archt.; Butler Construction Co., Contr.

Fla., Coral Gables—Glenn M. McConnell erect residence, 1139 Avenue Venetia; cost about \$10,000; S. Martin Ives, Archt.; Alva Crouse, Contr.

Fla., Coral Gables—Clark Metzger erect residence, 1207 Lisbon St.; R. G. Witters Co., Archt.-Contr.

Fla., Coral Gables—Wm. J. Lambert erect \$10,500 residence, 1440 Avenue Algeria; plans and construction by owner.

Fla., Coral Gables—Mrs. A. C. Leek erect residence, 1503 Geona St.; cost about \$10,000; Jarratt & Riley, Contrs.

Fla., Coral Gables—Lee Rosen erect \$14,000 residence, Avenue Sarto; 1 story; Jas. Sancell, Archt.; National England Construction Co., Contr.

Fla., Coral Gables—M. P. Lehman erect \$13,000 residence, 306 Avenue Alcedo; H. Geo. Fink, Archt., Congress Bldg.; Coral Gables Construction Co., Contr.

Fla., Coral Gables—Thomas Brown & Haynes erect \$11,000 dwelling, 1520 Avenue Dorado; Paul V. Matkin, Archt.-Contr. Supervisor.

Fla., Coral Gables—A. L. Todd erect 2 dwellings, 1403 Madrid St. and 1403 Geona St.; Lyman J. Allison, Archt.; owner supervises construction.

Fla., Coral Gables—Mrs. Plath erect \$21,000 residence, 547 Avenue Aragon; 2 stories, 2 baths; Walter Fisher, Archt.; Thos. Ricketts, Contr.

Fla., Dade City—Col. R. B. Sturkie erecting 6 duplex dwellings, Burnett Place addition.

Fla., Daytona Beach—Daytona Park Development Co., C. L. Dodge, Pres., let contract for 60 dwellings, Daytona Park; Helms Bros., Contrs., Miami.

Fla., Fort Myers—Geo. W. Martin, Brooklyn, N. Y., erect \$30,000 residence, Riverside; hollow tile, 56x60 ft., 2 stories, Spanish type; W. O. Sparklin, Archt.; H. H. Johnson Construction Co., Contr.

Fla., Hollywood—E. M. Sherman erect Spanish type concrete block and stucco bungalow, Monroe St. and Third Ave.; garage; E. A. Van Atten, Contr.

Fla., Jacksonville—P. S. Coggins erect \$10,000, two-story frame residence and garage, Avondale St. near Hershell St.; S. J. W. Wetzel, Contr.

Fla., Jacksonville—N. Law erect \$25,000 residence, Riverside Drive near King St.; 2 stories, frame; A. L. Clayton, Contr., Blum Bldg.

Fla., Jacksonville—D. B. Matheson, 3027 Hubbard St., erect 4 one-story frame dwellings, D and E Sts., near Howard St.; total cost \$12,000; F. P. Myers, Contr.

Fla., Jacksonville—W. C. Moore erect \$10,000 residence, Talbot St. near Orange Park Rd.; 1 story, frame; Neil Christopher Co., Contr.

Fla., Jacksonville—F. V. Richison erect \$10,000 frame residence, Avondale St. near Orange Park Rd.; 2 stories; H. F. McAden, Contr., Riverside Ave.

Fla., Miami—Mrs. K. M. Haskell, Chicago, Ill., let contract to J. W. Hunt, 1136 S. W. 13th Ave., for \$16,000 cement block and stucco residence; 2 stories, 34x65 ft., oak floors, tile roof; concrete foundation; Otto F. Army, Archt., Chicago.*

Fla., Miami Beach—Jerome Cherbino Organization erecting 4 additional dwellings; cost \$12,000 to \$20,000 each; S. D. Butterworth, Archt., 809 Euclid Ave.; Percy Clark, Contr.

Fla., Miami Beach—Alex Orr, Jr., 45 N. W. 3rd St., has heating and plumbing contract for \$85,000 hollow tile and stucco residence for J. C. Elston; lighting, E. A. Robinson, 118 N. W. 1st Ave., all Miami; 1 push button elevator, Haughton Elevator & Machine Co., 679 Spencer St., Toledo O.; 2 stories, 90x80 ft., tile and hardwood floors, Cuban tile roof; foundation completed; Kiehnell & Elliott, Archts., Central Arcade; John B. Orr, Contr., 147 N. E. Sixth St., both Miami.*

Fla., Miami Beach—B. S. McClure, 1726

Ocean Drive, erect \$20,000 residence; Hemming Construction Co., Contr.

Fla., Miami Beach—R. W. Edholm, Metropolitan Bldg., erect \$10,000 dwelling, Palm Island; plans and construction by owner.

Fla., Miami Beach—Mark German erect \$25,000 residence and garage; Martin L. Hampton, Archt., Congress Bldg., Miami; Bruce Construction Co., Miami, Contr.

Fla., Orlando—H. A. Zurn Construction Co., 107 Granada Court, erecting 23 dwellings; frame, stucco and brick, 2 stories, oak floors, concrete foundations, composition and tile roofs, interior tile; total cost \$108,800; plans by H. A. Zurn, 107 Granada St.; owner builds, electric work, C. L. Hughes & Son, 816 E. Central Ave., plumbing W. F. Fergus, Apopka Rd.*

Fla., St. Augustine — J. A. Rowland, Cathedral Place, plans remodeling and enlarging residence, Bay St.; F. A. Hollingsworth, Archt., City Bldg.; No-Kol automatic heating, Hamblin Hardware Co., 11 Hospital St.

Fla., West Palm Beach—DeCamara Chase Construction Co. erecting 20 dwellings, Northwood and Northwood Hills; 1 and 2 stories.

Fla., West Palm Beach—Theo. Elssfeldt started work on 50 dwellings, Northwood and Northwood Hills; total cost about \$300,000.

Fla., West Palm Beach—C. Osborne started work on 60 frame dwellings, Okeechobee Rd.; accommodate 4 persons; houses to be completely furnished; E. Allen Dixon, 216 Lakeview Ave., representative.

La., New Orleans—Chas. Peterson, 717 Nashville Ave., erect 6 single frame bungalows, Woodlawn and Monroe Sts.; composition roofs, cost about \$4000 each; owner builds.

La., New Orleans—C. E. Wilson, Canal Commercial Bldg., plans frame and stucco raised bungalow, Fern St. near St. Charles Ave.; tile roof; owner builds and sub-lets.

La., New Orleans—Remy J. Jenness and Security Building & Loan Assn., Maison Blanch Bldg., erect \$10,500 bungalow, Trianon Plaza and Broad St.; Edwin L. Markel, Archt.-Contr., 3838 Louisiana Avenue Pkwy., receiving sub-bids.

Md., Baltimore—Novak Realty Co., Gunther Bldg., erect 30 brick dwellings, 401-459 S. 25th St., and 25 dwellings, 2801-49 Belmont Ave.; 2 stories, 18x42 ft.; total cost about \$200,000; also 19 dwellings, 3201-19, 3325-31, 3315-31 E. Monument St.; owner builds.

Md., Baltimore—David W. Baker, Windsor Court Apt., erect \$25,000 residence and garage, St. Martin's Rd. near St. Paul St.; 2 stories, brick; Cyril H. Hebrank, Archt., Central Savings Bank; Palmer C. Streett, Contr., 3408 Norwood Ave.

Md., Baltimore—Columbia Building Co., 3609 Harford Rd., erect 18 dwellings and 1 store, 2300 block E. Monument St.; 2 stories, 14x42 ft., hot water heat, composition and asphalt roofs; total cost about \$60,000; plans and construction by owner.

Md., Baltimore—Benj. F. Bennett Building Co., 123 S. Howard St., has permit for \$20,000 stucco dwelling and garage, S. side Upnor Rd.; 2½ stories.

Md., Baltimore—Jas. Keelty, 3600 Edmondson Ave., erect 36 brick dwellings, Franklin, Mulberry, Kennison Sts. and Gwynn Ave.; 2 stories, 18x32 ft.; total cost about \$100,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—John S. Watts reported erect 20 brick dwellings, Frederick Rd.; 2 stories, 16x40 ft., furnace heat; total cost \$50,000; John Stockdale, Archt.; W. H. Linthicum, Contr., Hilton & Harlem Aves.

Md., Baltimore—Beverly Hills Corp., L. Schoenlein, Pres., 4901 Harford Rd., erect 3 frame dwellings, S. side Beverly Rd. near Walther Ave.; 1½ stories, total cost about \$11,000; plans and construction by owner.

Md., Baltimore—Earle W. Blackburn, Hamilton Bank Bldg., erect 6 frame dwellings, N. W. cor. Florest and Sippel Aves.; 1½ stories; total cost about \$30,000; owner builds.

Mo., St. Louis—J. D. Rouse, 2215 Richert St., erect 2 brick dwellings, 2217-21 Richert; 1 story, 25x32 ft., composition roofs, hot air heat; total cost \$10,000; owner builds.

Mo., St. Louis—C. Brinkop, Jr., 2636 Lyndhurst St., erect 2 brick dwellings, 5510-12 Tennessee St.; 1 story, 25x42 ft., composition shingle roofs, warm air heat; total cost about \$10,000; plans and construction by owner.

Mo., St. Louis—Eutrick Realty Co., 1205 Fullerton Bldg., erect \$15,000 dwelling, 6212 McPherson St., brick, 2 stories, 58x37 ft., tile or slate roof, hot water heat; A. B. Ridington, Archt., 1205 Fullerton Bldg.; owner builds.

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Mo., St. Louis—C. L. Brittain, Merchandise Mgr., Scruggs-Vandervoort-Barney, Olive and Locust Sts., erect residence, Country Life Acres, Clayton Rd. near Ballas Rd.; Maritz & Young, Archts., Chemical Bldg.

Mo., St. Louis—W. Kobusch, 23rd and St. Louis Sts., erect brick residence, 7153 Waterman St.; cost about \$10,000, 2 stories, 29x31.5 ft., slate roof, hot-water heat; Nolte & Nauman, Archts., Fullerton Bldg.; Ratermann Building & Construction Co., Contr., 1943 St. Louis St.

Mo., St. Louis—W. F. Spilker, 4543-A Atholone St., erect \$10,000 residence, 4445 Floriss. Place; 2 stories, 32x32 ft., tile roof, hot-water heat; F. A. Husser, Archt., 4534 Farlin St.; C. Spooneman, Contr., 4142 Farlin.

N. C., Raleigh—L. S. Brassfield, Vance Apts., let contract to Jas. A. Davidson, Tucker Bldg., for \$19,000 residence; brick veneer, 60x40 ft., hardwood floors, tile roof; R. J. Barbee, Archt., Mordecia Drive.*

N. C., Raleigh—Henry M. Wilson erecting \$15,000 frame residence, St. Marys St.; 2 stories, about 40x36 ft., oak floors, brick foundation, asbestos shingle; Howard E. Satterfield, Archt.-Contr., State College St.; heating by Contr.; electric work and plumbing not let.*

Tex., Cuero—R. S. McWilliams erect residence, Reuss Blvd.; Alamo Lumber Co., Contr.

Tex., Dallas—J. Robt. Carter, Jr., and Chas. L. Dexter & Co., American Exchange Bank Bldg., erect \$40,000 dwelling; brick veneer, 2 stories, 40x60 ft.; Fonzie E. Robertson, Archt., 414 Republic Bank Bldg.; day labor.

Tex., Houston—C. A. Hammond, 3101 Main St., erect \$10,500 residence, 4516 Fannin St.; 2 stories, brick veneer; T. M. Howard Contr., 914 Franklin St.

Tex., Houston—Sidney King, 2416 Bagby Place, let contract for \$15,000 duplex, Mandell Place, to W. W. Wilson; 12 rooms; Stowe & Stowe, Archts., Second National Bank Bldg.*

Tex., Orange—E. E. MacFarland erecting \$15,000 frame residence, after plans by Livesay & Wiedemann, San Jacinto Life Bldg., Beaumont; 2 stories, 48x45 ft., oak floors, pressed brick foundation, Barrett roof; heating and plumbing, Cox & Dearborn; electric work, A. R. McLean; J. C. Markwith, Contr.*

W. Va., Huntington—Mr. Kirk, City Treas., erect \$21,000 residence, Washington Blvd. and Second St.; W. Kemp Gibson, Contr., 511 10th Ave.

Hospitals, Sanitariums, Etc.

Md., Baltimore—Home for Incubables of Baltimore City, Mrs. Alexander C. Nelson, Pres., Board of Managers, 814 N. Charles St., having plans drawn by Wm. W. Emmart, Union Trust Bldg., for alterations to property, 40th and Cedar Sts.; accommodate 100.*

Mo., Otterville—Dr. C. D. Osborne remodel frame building for hospital (lately noted under Mo. Sedalia); furnishings, equipment, etc., \$9000; warm air heating, Holland Furnace Co.; electric work, Otterville Electric Co., plumbing, Stephens & Stratten; plans by owner; H. E. Jackson, Contr. (See Machinery Wanted—Hospital Furniture).*

Okla., Ponca City—Consolidated Cut Stone Co., 1323 E. 5th St., Tulsa, has cut stone contract for \$300,000 hospital; structural steel and metal sash, J. B. Klein Iron & Foundry Co., 1006 N. 2nd St., Oklahoma City; reinforcing steel and concrete domes, Concrete Engineering Co., Walsig Bldg., Kansas City, Mo.; excavation, R. L. Eddy; Schmidt, Garden & Martin, Archts., 104 S. Michigan Ave., Chicago, Ill.; Holmboe Construction Co., Contr., 424 W. Second St., Kklahoma City.*

Tex., Vernon—Dr. A. B. Garland erect \$50,000 hospital, Cumberland and Wichita Sts.; 2 stories, 40 beds, nurses' quarters, operating room; contract let.

Hotels and Apartments

Fla., Clearwater—J. D. Watson will erect duplex and garage apartment, Ft. Harrison Ave.; \$11,000; F. Z. Dailey, Contr., Ft. Harrison Ave.

Fla., Coral Gables—Daniel Realty & Construction Co. has permit to erect \$40,000 apartment building, 13 Avenue Salamanca.

Fla., Coral Gables—M. J. Hoffman Construction Co. will erect 12-family apartment house, 931 Avenue Catalonia; \$50,000, two stories; plans and construction by owner.

Fla., Coral Gables—Miss D. Rogers has permit to erect 8-family hotel, 727 Avenue Alcega; \$40,000, two stories; C. K. Rogers, Archt.-Contr.

Fla., Daytona—Morris Miner let contract to Borad & Schumaker for \$10,000 duplex apartment house, Goodall Ave.

Fla., Delray — Architect Stoner, Duluth, Minn., in charge of construction of \$32,000, 12-family apartment house, Del Raton Park; also preparing plans for 200 houses to cost \$200,000.

Fla., Gainesville—Hotel Thomas, W. R. Thomas, Propr., let contract to J. M. Lawton, Florence, S. C., at \$162,000 for erection of hotel building; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.*

Fla., Miami—W. B. Liddy will erect \$68,000 apartment building, Lincoln subdivision; 35 apartments, stucco and tile; W. F. Brown, Archt., 608 5th St.; Whalley Construction Co., Contr.

Fla., Miami—Mead Hotel Co., 789 N. W. 34th St., started construction \$105,000 hotel; two stories, 86x120 ft., frame, composition roof, pine floors, concrete foundation, interior tile, ornamental terra cotta; Whitney R. Spiegel, Contr.; Van Electric Co., Cushman Bldg., electric work; Van Plumbing Co., plumbing; Pfeiffer & O'Reilly, Archts., Hahn Bldg.; equipment, \$20,000, about Nov. 1.*

Fla., Miami—Cornelius F. Jorgenson let contract to G. E. McDonald for \$25,000, 8-family apartment house, 1620 S. W. Tenth St.; J. C. Gault, Commercial Arcade.

Fla., Miami—Sutton & Gibson, Flagler St., will erect two apartment houses, S. W. 27th Ave. and Fourth St.; Geo. Mutch, Contr.

Fla., Miami—Apartment Development Co., let contract to The Flagler Co. for two-story apartment, N. W. 24th St. between Fifth and Sixth Aves.; \$27,500, 8 units; Fred Kloeper, Archt.

Fla., Miami—Joseph Barad has permit to erect \$100,000, three-story, 24-unit apartment house, S. W. Fourth St. between Fourth and Fifth Aves.; E. A. Nolan and H. C. Schwabke, Archts., Broome Construction Co., Contrs.

Fla., Miami—Harold Hill, 3708 N. W. 5th Ave., let contract to Sandquist & Snow, Calumet Bldg., for \$41,000 Randle Apartments, N. E. 24th St.; 3 stories, hollow tile with stucco, 12 families; Robt. Greenfield, Archt.

Fla., Miami—W. H. Smith Building Co., has permit to erect \$30,000, 12-unit cement block apartment house, N. W. 13th Ave.; Wm. F. Brown, Archt., 605 5th St.

Fla., Miami—R. B. Burdine has permit to erect three \$75,000 apartments, S. W. 25th terrace between 20th and 21st Aves.; 24 apartments each; St. John Construction Co., Contr., Townley Bldg.

Fla., Miami—Charmonte Construction Co., reported to erect three 24-unit apartment houses, two at S. W. Fourth St. and Ninth Ave., and one at N. W. Third Ave. between 15th and 16th Sts.; \$195,000; John R. Rainbow, Archt.; owner builds.

Fla., Miami—B. H. London, 1692 Virginia St., Detroit, Mich., will erect \$150,000 apartment building in Atlantic Shores; three stories, 50 rooms, each with bath, and eight apartments, 4 stores on first floor, reinforced concrete, hollow tile, stucco and Caen stone; owner builds; R. G. Pres, Archt.

Fla., Miami Beach—Cordis, Schrenk & Schroeder, Hoboken, N. J., let contract to J. T. Leinecker for 65-room Hudson Hotel, West Ave. and Tenth St.; cost \$250,000, including site and furnishings; Lawrence M. Loeb, Metropolitan Bldg., Miami, and Wilmott A. Robinson, Asso. Archts.*

Fla., Miami Beach—Silverleaf Corp., will erect \$87,000, 23 three and four room apartment building at Lenox Manor; W. F. Brown, Archt., 608 5th St.; Southern Construction Co., Contr.*

Fla., Miami Beach—United Building Development Co., will erect \$120,000, 78-room hotel in Espanola Villa section; W. F. Brown, Archt., 608 5th St.; Fitzgerald Construction Co., Contr.

Fla., Plant City—Col. V. B. Collins, Sec. Treas. of hotel organization, let contract to Robert C. Cregan, Bradenton, for \$200,000, 3-story, semi-fireproof, 105x210 ft., 100-room community hotel, Reynolds and Evers Sts.; 2 passenger elevators, Spanish architecture, reinforced concrete frame, steel and masonry, stucco outside walls with stone and tile trim; Frank Winn, Citizens Bank Bldg., and Franklin O. Adams, Archts., Grand Theater Bldg., Tampa.*

Fla., St. Petersburg—Geo. F. Young, 213 Sumner Bldg., let contract to W. B. Ferguson for \$250,000, hollow tile and stucco, 3-story hotel building, 24th St. and Central Ave.; Spanish style, 6 stores on ground floor, 56 rooms above, ornamental iron work, tile

and carved stone; Lester Avery and Olin H. Round, Archts., both Rober Bldg.*

Fla., Sarasota—John T. Ogier will erect \$10,000, two-story frame and stucco apartment house, 10th St. and Goodrich Ave.; 39x75 ft., 23 rooms; T. M. Bryan, Archt.; J. H. Bowditch, Contr.

Fla., Stuart—Griner Hotels, Inc., Chas. Griner, Pres., leased Pelican Hotel and will erect 20-room addition; R. C. Miller, Contr.

Fla., West Palm Beach—V. Green Co., Harry Rich Mooney, Sec., 235 N. E. First St., Miami, will erect 100-room hotel on Everglade Ave.; Lawrence Loeb, Archt., Miami; construction under supervision of Edw. Hamel, Supt. of Company's works, 4 Granada Bldg., West Palm Beach.

Md., Takoma Park—Iroquois Engineering Co., Inc., Homer Bldg., Washington, D. C., erect two 12-section apartments, cost \$150,000.

Mo., St. Louis—M. Goldman Real Estate Co., 212 Title Guaranty Bldg., will erect six 2-story tenements, 2104-8-12-18-20-24 Portis St.; also will erect four 2-story tenements, 4515-17-19-21 Flad St.; \$88,000, 34x50 ft., brick, composition roofs, furnace heat; Pomeroy Construction Co., Contr., 215 Title Guaranty Bldg.; O. J. Popp, Archt., 1501 Arcade Bldg.

Mo., St. Louis—L. Loomstein, 802 Chestnut St., will erect two 2-story tenements, 5121-27 Cote Brillante; \$20,000, 34x53 ft., brick, composition roofs, furnace heat; owner builds.

Mo., St. Louis—A. P. Smith Construction Co., 201 Title Guaranty Bldg., will erect six 2-story tenements, 5104-8-12-16-20-24 Greer St.; \$42,000, 31x34 ft., brick, tar and gravel roofs, steam heat; plans and construction by owner.

Mo., St. Louis—L. E. Brockmeier, 4719 Farlin St., let contract to J. C. Brockmeier, 4719 Farlin St., for four 2-story tenements, 5131-42 Lexington St.; \$28,000, 28x49 ft., brick, composition shingle roofs, hot water heat.

Mo., St. Louis—A. J. Emmendorf, 3158 Oregon St., let contract to H. Beetz, 2608 Nebraska St., for \$10,000 two-story tenement, 3152-54 Oregon St.; 37x50 ft., brick, composition roof, hot air heat; L. Haeger, Archt., 3844 Utah Place.

Mo., St. Louis—R. C. Wafer & Co., 4335 Shaw St., will erect \$16,000, two-story tenement, 6028 Cates St.; 34x64 ft., brick, gravel roof, steam heat; owners build.

Mo., St. Louis—C. Boehne, 4215 Margaretta St., will erect two-story brick tenement, 4231 Margaretta St.; 27x46 ft., asphalt shingle roof, hot water heat; M. H. Flinck, Archt., 4219 Margaretta St.; owner builds.

Mo., St. Louis—O. H. Huehn, 8223 N. Broadway, let contract to A. Mayer, Central Natl. Bank Bldg., for \$30,000, three-story hotel, 8218-20 N. Broadway; 42x119 ft., brick, tar and gravel roof; E. L. Kuhs, Archt., 2837 N. Grand St.

Mo., St. Louis—C. Moldafsky, 3929 Greer St., let contract to E. E. Baker, 703 Olive St., for three 2-story tenements, 2139-43-45 Maury St.; \$30,000; 34x50 ft., brick, tar and gravel roofs, hot air heat.

Mo., St. Louis—H. Unrath, 8100 N. Broadway, will erect two-story brick tenement, 5115 N. Broadway; 35x52 ft., brick, composition roof, hot air heat; H. Schmidt, Contr., 4161 W. Florissant St.

Mo., University City (Sta. St. Louis)—B. I. Buchanan, 6147 Pershing St., will erect \$11,000, brick, shingle flat building, 7251 Amherst St.; two stories, 26x47 ft., and 9x12 brick sun parlor, composition roof, hot water heat; owner builds.

North Carolina—Mt. Mitchell Association of Arts and Sciences, Incorporated; Thos. Dixon, Pres., 867 Riverside Drive, New York; Dr. Norwood G. Carroll, Nordell Hill, Raleigh, N. C.; acquired 1000-acre site between Little Switzerland and Mt. Mitchell and will erect hotel on crest of Pompey's knob in connection with development, including moving picture studio; 50 suites, Swiss chalet type, stone and frame, 4 stories, 40x200 ft., wood floors, asphalt shingle roof, auditorium seat 3000; 50 bathrooms; construct 40-ft. dam; Linthicum & Linthicum, 13½ S. Wilmington St., Raleigh, preparing plans for hotel and theater and combination garage, laundry and servants' quarters and settlement of cottages; plans and information secured from Dr. Carroll of Linthicum & Linthicum; construction by day labor. (See Machinery Wanted—Plumbing Equipment; Furnishings (Hotel).*)

Okla., McAlester—B. A. Enloe let contract to W. P. Turner, St. Louis, for \$85,000 Enloe Hotel, First St. and Choctaw Ave.; five stories, 80 rooms.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Dallas—G. C. Jones, 2734 Ramsey St., awarded contract at \$13,000 for erection apartment building, 4029 Rawlings St.; two stories, 16 rooms, brick veneer, tile baths; private plans.

Tex., Houston—John W. Damon, 506 Richmond St., let contract to Hugh Wilkins for three 2-story brick veneer apartment buildings, 1500 Holman Ave., 3409 La Branch St. and 3415 La Branch St.; \$14,000.

Tex., Houston—Boyer Builders have permit to erect 4-apartment frame and brick veneer apartment building, with garage, 1224 W. Gray St., Rosemont Heights; \$14,000.

Tex., San Antonio—Carvel & Co., Frost Bldg., has permit to erect \$10,000, two-story, 16-room apartment, 133 E. Woodlawn Ave.; owner builds.

Miscellaneous

Fla., Miami—Anglers' Club let contract to Dusenberger & Clifford for \$40,000 addition, 243 N. E. Fourth St.; 64x44 ft.; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Miami—Florence M. Taylor will erect \$15,000 tea room and restaurant on Haycove Arcade grounds; Williams Construction Co., Contr.

Fla., Sarasota—Sarasota County Fair Assn. let contract to M. L. Wread for following buildings at Fair Grounds; \$60,000 grandstand to seat 3500, \$35,000 automobile exhibit building, \$5000 poultry building, \$12,000 woman's building, \$20,000 horticultural building, Clas, Shepherd & Clas, Archts., 415 Milwaukee St., Milwaukee, Wis.*

Md., Baltimore—St. Stanislaus R. C. Church Parish, care Franciscan Fathers, 700 Ann St., let contract to Consolidated Engineering Co., 20 E. Franklin St., for \$70,000 home for Felician Sisters, S. Ann St. near Aliceanna St.; three stories and basement, brick and concrete, slag roof, wood floors; Palmer, Willis & Lamdin, Archts., 516 N. Charles St.*

N. C., Winston-Salem—Rev. C. A. Wood, Supt. Methodist Children's Home, let contract to Frank L. Blum Co., 110 E. Second St., for \$30,000, 1-story, brick baby cottage; L. H. Asbury, Archt., Realty Bldg., Charlotte.*

Tex., San Antonio—San Antonio Ice Rink Co., care Jack K. Tobin, let contract at \$35,000, including everything except refrigeration to W. A. Johnson, care Melliff-McAllister Lumber Co., 628 Buena Vista St., for ice skating rink on Myrtle St.; 70-ton refrigeration plant, Triumph Ice Machine Co., South St., Cincinnati, \$40,000; wiring, Wright Bros., 405 Main Ave., \$500; plumbing, E. A. West, 2717 N. Flores St.; plans by C. N. Wood, Builders Exchange Bldg., include structure 150x100 ft., one story, brick, reinforced concrete, steel and stucco; rink 60x120 ft.*

Railway Stations, Sheds, Etc.

Fla., Lemon City—Florida East Coast Ry., W. G. Brown, Engr., St. Augustine, started construction passenger and freight station, Dupont road and N. E. Fourth Ave. for Lemon City and Little River.

Ky., Madisonville—Illinois Central R. R., F. Blaess, Ch. Engr., Chicago, let contract to W. J. Zitterell Co., Webster City, Iowa, for office building and freight depot.

Schools

D. C., Washington—District Commrs., Room 509 District Bldg., reported to have awarded contract to Skinner & Garrett, 1416 F St. N. W., for erection Brightwood Park, Manor Park and Fifth and Sheridan St. schools; total cost \$339,827; 8 rooms; A. L. Harris, Archt., District Bldg.*

Fla., Arcadia—DeSoto County Board of Public Instruction, C. H. Smith, Supt., let contract to J. W. Mann, Newport and Bayshore Sts., Tampa, for erection grammar school, W. Whidden St.; two stories, brick, 21 rooms; F. J. Kennard & Son, Archts., Krause Bldg., Tampa.*

Fla., Miami—Board of Public Instruction has permit to erect \$50,000, two-story building for cafeteria and assembly hall, N. W. 7th Ave. and 11th St.; Robertson & Patterson, Archts., Calumet Bldg.; Hintz Construction Co., Contr.

Fla., Panama City—Bay County Board of Public Instruction, C. C. Mathis, Supt., let contract to A. C. Samford, Shepherd Bldg., Montgomery, Ala., for \$94,425 high school including plumbing, Harrison Ave. and 12th St.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., let contract at \$602,328 to Charles L. Stockhausen & Co., Inc., Gay and Water Sts., for addition to School No. 70, William St. and Warren Ave.;

three stories, brick and concrete; L. R. White, Archt., Hearst Tower Bldg.*

Mo., Poplar Bluff—Board of Education let following contracts for Kenyon School; Greer & Schach, general contract at \$49,632; Bulow & Son, plumbing, \$3901; wiring, using conduit system, contract to City Board of Public Works, \$1498; John H. Kitchen, Kansas City, heating, \$6797.*

Mo., St. Louis—J. J. Glennon, 4500 Lindell St., let contract to Gillespie & Daly, 722 Chestnut St., for \$105,000, three-story school, 2915 Lafayette St.; 165x145 ft., brick, composition roof; H. P. Hess, Archt., Taylor and Page Sts.

S. C., McColl—School Board let contract at \$65,000 to Benston & McCollum for high school; J. L. Powers, Bennettsville, heating and plumbing, \$12,000.

Tenn., Knoxville—Knox County Board of Education, W. W. Mors, Supt., let contract to Cox & Hayes for grammar school at Ritta; one-story, 4 rooms, brick, \$15,000; Parmalee & Son, Archts., 606 S. Gay St.*

Tex., Cotulla—School Board let contract to Lee Peters, Cotulla, for \$20,000 school; Henry T. Phelps, Archt., 419 Hicks Bldg., San Antonio.

Tex., Crystal City—Board of Education let contract at \$22,450 to H. F. Bernhard for one-story, 7-room and auditorium addition and remodeling high school; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.*

Tex., Floydada—Floyd County Board of Education let contract to Odin & Goodwin, Roaring Springs, for erection Antelope and Irick schools; Antelope school to cost \$10,000; C. F. Ward, Archt., Amarillo; Irick school, \$11,400; Kerr & Walsh, Archts., Amarillo; both buildings 4 rooms, brick.*

Tex., Gainesville—Elam Johnson has contract to erect Rotan Cottage at Girls' Training School; David R. Williams, Archt., S. W. Life Bldg., Dallas.

Tex., Lawn—Board of Education, M. A. Patterson Pres., let contract at \$32,000 to J. M. Johnson, Sweetwater, for two-story, brick and stone building; R. S. Glynn, Archt., Cisco.

Va., Petersburg—School Board let contract at \$242,947 to Harwood Construction Co., Law Bldg., Newport News for Anna C. Bolling Junior High School; 29 classrooms, brick, stone trim; Chas. M. Robinson Co., Archt., Times Dispatch Bldg., Richmond; American Heating & Ventilating Co., heating \$29,563.*

Stores

Fla., Groveland—A. O. Todd, Contr., Clermont, started construction Hunter Building, Lake Ave. and Broad St.; \$16,000, two stories, brick, stores on first floor, offices, second.

Fla., Miami Beach—N. B. T. Roney, 2250 Collins Ave., announced plans for erection \$25,000, two-story office and store building, 23rd St.; four store rooms on Collins Ave. between Third and Fourth Sts.; \$10,000; four store rooms on Collins Ave. between Fourth and Fifth Sts.; \$10,000; Robt. A. Taylor, Archt.; J. C. Gaffney, Contr., both 2248 N. E. Second Ave.

Fla., Miami—Shoreland Co.; arcade office building; Pfeiffer & O'Reilly, Archts.; Geo. W. Langford, Contr. (See Contracts Awarded—Bank and Office).*

Fla., Miami—Raley-Milam Hardware Co., 25 N. Flagler St., let contract to Charles S. Ewing Co., Bradford Bldg., for 4-story, \$125,000, reinforced concrete building, 27 W. Flagler St.

Fla., New Port Richey—George R. Sims and Port Richey Co. let contract to Louis C. Luppens and A. M. Pierson, who will superintend construction, for Pasco Building on the Boulevard; 106 ft. frontage, two stories, Spanish type, six stores, 12 offices, brick, stucco, concrete hollow tile and steel, metal roof, tile and plate glass fronts; Thos. R. Martin, Archt., Sarasota and Fort Myers.

Fla., Tampa—Holtsinger Furniture Co., 509 Tampa St., let contract to B. L. Hamner, Citrus Exchange Bldg., Tampa, for 3-story and basement, 95x220 ft. store, Franklin and Tampa Sts., Platt Street Bridge; cost \$250,000, provision in basement for 50 motor cars; two passenger and one freight elevator, incinerator; Frank Winn, Archt., Citizens Bank Bldg.

Fla., West Palm Beach—Baker Brothers let contract to Ewing & Wilkerson for \$25,000, brick and tile, 50x150 ft. store building, First between Poinsettia and Olive Aves.

La., Shreveport—C. D. Dickson let contract to H. C. Bellows, 208 Edwards St., for erection store building, 751 Gladstone Blvd.; \$21,000, two stories, 50x75 ft., brick, concrete, terra cotta.

Md., Baltimore—P. Gannon, 1711 McCulloch St., let contract to Geo. B. Monmonier & Son, 1711 McCulloch St., for one-story brick addition, 1420 Hollins St.; \$10,000, tin roof, hot water heat; J. E. Maher, Archt., Ridge Rd.

Mo., St. Louis—Grand & St. Louis Realty & Investment Co., Grand Blvd. and St. Louis Ave., let contract to Theo. Henry Ratz, 917 Pine St., for \$123,456 store, office and tenement building, 2800-12 E. Grand and 3517 and 3533 St. Louis Ave.; 125x151 ft., brick, composition roof; Kennerly & Stiegmeyer, Archts.; E. Pollisier, Asso. Archt., Title Guarantee Bldg.*

Mo., St. Louis—W. J. Burke, 1210 Olive St., will erect \$12,000, one-story building, 4057 Lindell St.; 50x85 ft., brick, asphalt roof, steam heat; J. J. O'Brien, Archt.-Bldr.

Mo., St. Louis—I. Weinberg, 816 Chestnut St., let contract to Weinberg Realty & Construction Co., for \$28,000, three-story store and tenement, 6800-02 Clayton St.; 35x95 ft., brick, concrete roof; M. Latner, Archt., Pershing Galleries.

N. C., Greensboro—Sales Exchange Co., A. F. Messick, Pres., Buena Vista, Winston-Salem, let contract to O. N. Long, Winston-Salem, for \$20,000 store and office building, E. Market St.; 69x75 ft.; L. B. Burge, Archt., Winston-Salem.

Tenn., Kingsport—N. Shaheen started construction two-story brick business building, Cherokee and Sullivan Sts.; concrete foundation laid.

Tenn., Knoxville—J. K. Craig Realty Co., 627 Gay St., representing C. B. Atkin, will let contract to Sherman & Co. for 1-story and basement, brick building, State St.; Albert E. Gredig, Archt., Mercantile Bldg.

Tenn., Memphis—Castleman & Fulgrum, started construction two brick stores, 505-11 S. Main St.

Tenn., Memphis—B. W. Cocke & Co., have contract to remodel front of Randolph Building; E. L. Harrison, Archt., Fidelity Bank Bldg.

Tex., Dallas—Fred Manget, 702 Santa Fe Bldg., let contract to H. T. Apple, 2826 Forest Ave., for \$34,000 business building; two stories, 90x100 ft., brick, stone and reinforced concrete; Pooshee & Cheek, Archts., Athletic Club Bldg.

Tex., Goose Creek—Joseph Guberman let contract to A. T. Hingle, care Builders Exchange, Houston, for \$16,900 store and hotel building; two stories, 25x87 ft., brick, tile, steel and reinforced concrete, wood and concrete floors, tar and gravel roof, reinforced concrete foundation; Jos. W. Northrop, Jr., Archt., 302 West Bldg., Houston; Cook's Electric Shop, Box 326, electric work; Geo. E. Simonds, Box 702, plumbing, both Goose Creek; major items to be purchased include show cases, store fittings, hotel furniture.*

Tex., Greenville—W. R. McKinney has contract for construction and remodeling Biney Jones Bldg., Lee and St. John Sts., for Fashion Shoe Store; Lindsey & Kilmer, Architects.

Tex., Sabin—J. W. Proctor let contract to V. L. Rasmussen for store building; Henry T. Phelps, Archt.

Tex., San Antonio—Joske Estate let contract on cost plus basis to A. E. Rheiner & Co., Builders Exchange Bldg., for interior and exterior remodeling of old Y. M. C. A. building, N. Alamo and Third Sts.; \$20,000, replastering, interior redecorating, partitions, etc.

Theaters

Tex., Muesnoe—I. N. Brooks & Son broke ground for brick theater building.

W. Va., Richwood—Cherry River Amusement Co., J. C. Holt, Mgr., is erecting \$30,000 theater to replace Star Theater; 38x125 ft., steel concrete and brick, composition roof, hardwood floors, ornamental terra cotta, interior tile, wire glass, safes, steel sash and trim, ventilators, steam or hot water heat; Levi J. Dean, Archt., Simms-Keller Bldg., Huntington; J. A. Tinscher, Contr., Richwood. (See Machinery Wanted—Building Material; Theater Equipment).*

Warehouses

Ala., Attalla—Walworth Alabama Co. will erect warehouse; 120x240 ft., steel, sprinkler system; construction begun.

La., New Orleans—Denegre & Woodward, Louisiana Bldg., Contrs. for United Fruit Co. warehouse, Front and Water Sts., let following sub-contracts. Brick work, J. J. Swiler, 429 Exposition Blvd.; hydraulic elevators, Otis Elevator Co., 852 Canalelet St.; millwork, Roberts & Co., 1419 Gravier St.; pav-

ing, B. C. Grasser, 42 Fountaineau Drive; plumbing and heating, Emile M. Babst Co., 1050 Camp St.; electrical work, Barnes Electric Construction Co., Ltd., 509 Gravier St.; John-Manville roofing, Taylor & Seidenbich, Inc., 1401 Tchoupitoulas St.; lumber, Delta Lumber Co., 3601 Carrollton Ave.; plastering, H. D. Morgan; structural steel and miscel-

laneous iron, Lukens Steel Co., Poland and Rocheblave Sts.; sheet metal work, Blattman-Weeser Sheet Metal Works, Inc., 1001 Toulouse St.*

Mo., St. Louis—Board of Education, 911 Locust St., let contract to Tobin Construction Co., 1907 S. Compton St., for \$40,000, one-story warehouse, 3420 Thomas St.; 75x

165 ft., brick, Pyrobar roof, steam heat; R. M. Milligan, Archt., 911 Locust St.

Tex., Dallas—W. H. Fry & Co., 131 Willo-met St., let contract to Stearns & Son, 2913 Main St., for \$50,000 warehouse, 931-48 W. Jefferson St.; three stories, 48x138 ft., brick, stone or terra cotta and reinforced concrete; private plans.*

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Alum.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 24 to furnish 40,000 lbs. lump alum; delivery Quantico, Va. Sch. 168.

Approaches.—Charleston, S. C. See Construction News—Roads, Streets and Paving.

Boller.—Mallory Machine Co., Baltimore, Md.—Wants 100 or 125 h. p. boiler, Economic or Scotch type, good for 100-lb. pressure; A.S.M.E.; good condition.

Boller.—Edward W. Peters, Danville, Va.—Wants 200 h. p. water-tube boiler, good for 150-lb. pressure, Sterling or Maxim preferred.

Boilers.—Box 57, Easton, Pa.—Wants two 80 to 150 h. p. locomotive or economic boilers, 100 lbs. or better, second-hand.

Boilers.—Room 330, Arcade Bldg., 1947 Broadway, N. Y.—Wants four to six water-tube boilers, 180 lbs. or better; give full description; second-hand.

Boilers.—Uahn, 2511 S. Robey St., Chicago, Ill.—Wants two boilers, 72x18 ft., for W. Virginia; give full description, price and location.

Brass and Copper Sheets.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 24 for 1110 lbs. brass sheets, 676 lbs. copper sheets and 50 lbs. copper rivets, for handicraft work.

Bridge.—Huntington, W. Va.—See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State of North Carolina. See Construction News—Roads, Streets and Paving.

Bridge.—Philadelphia, Miss. See Construction News—Culverts, Viaducts.

Bridge.—Orangeburg, S. C.—See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Wayne, W. Va. See Construction News—Roads, Streets and Paving.

Bridge.—Rockville, Md. See Construction News—Roads, Streets and Paving.

Bridge.—Gulfport, Miss., will build 3 bridges. See Construction News—Roads, Streets and Paving.

Bridge.—Bastrop, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State of South Carolina. See Construction News—Roads, Streets and Paving.

Bridge.—Bartow, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bronze Tablet.—G. C. Epps, Sec., General Board of State Convention of the Baptist Denomination of South Carolina, York, S. C.—Wants data and prices on bronze tablet with inscription, made for memorial drinking fountain; correspond with manufacturers.

Brushes (Artists).—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 25 for approximately 602 artists' brushes for oils; 310 for stencil and 1636 for water color and washes; for supply depots.

Bucket (Clamshell).—Mallory Machine Co., Baltimore, Md.—Want ½ or 5-8 cu. yd. clamshell digging bucket; state condition, price, etc.

Building Materials.—J. C. Holt, Mgr., Cherry River Amusement Co., Richwood, W. Va.—Wants prices on all kinds of building material.

Builders' Supplies and Materials.—The Bogue Supply Co., Bogue Park, Morehead City, N. C.—Wants to correspond with manufacturers of builders' supplies and materials.

Buttons.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 29 for 11,730 doz. fresh water pearl buttons, various sizes and 1608 doz. agate white buttons.

Cabinet Machinery.—Watson Lumber & Manufacturing Co., Madisonville, Tenn.—Wants data and prices on cabinet machinery.

Car Barn.—A. W. Thompson, Ch. Engr Carolina Power & Light Co., Raleigh, N. C.—Receives bids Oct. 6 for car barn, 110x240 ft. on West St.; bids will be received on building complete and also on following trades separately; sub structure; steel work

and covering, etc.; brick work, plumbing, heating, steel sash, carpentry, electric work, interior finish and painting; plans and specifications at Engineering Office of company.

Cereals.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 25 to furnish cereals, delivery Sewells Point, Hampton Roads, Va., Sch. No. 177.

Channeler.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one Sullivan channeler.

Church Furniture.—C. E. Townsend, Winchester, Ky.—Wants prices on church pulpit and pews.

Condenser.—Mallory Machinery Co., Baltimore, Md.—Wants 2500 ft. surface condenser; state condition, etc.

Cotton Seed Oil Machinery.—M. C. Winston, Warrenton, N. C.—Wants cottonseed oil machinery, state prices and earliest delivery.

Cotton Tape.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 26 for 15,000 yds. cotton tape, 2000 yds. white flannelette; delivery Perry Point, Md.

Cranes (Motor Truck).—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 2 to furnish motor truck cranes. Blank forms and information (Circular 1698), on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Dredges.—Davis Equipment Co., S W. Fortieth St., New York—Wants two small dredges 33 ft. long, 15 ft. wide with draft not to exceed 24 in., dredge to operate on endless chain, capacity 45 cu. yds. per hr., operate up to maximum of 13 ft. 6 in. below water; normal depth of water under which dredge will operate is 8 ft.; correspond with manufacturer.

Dredging, etc.—Comms. of the Orleans Levee Dist., Peter J. Flanagan, Pres., New Court House Bldg., New Orleans, La.—Receives bids Oct. 14 to furnish all necessary labor, fuel, supplies, etc., for dredging and building Unit No. 1 of a 36,000,000 cu. yds. earth embankment on southern shore of Lake Pontchartrain; estimated quantities are: Embankment measurements in place, about 10,000,000 cu. yds.; retaining levees, about 100,000 cu. yds.; Marcel Gersaud, Chief Engr.

Drills.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 30 for 3100 carbon twist drills, various sizes; 130 sets points-wood drills, 80 hand drills, 25 sets auger bits, 48 sets expansive auger bits, etc.; delivery Perry Point, Md., and Chicago, Ill.

Electric Ranges.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 26 for 5 electric ranges and 2 electric broilers and warming compartments; delivery U. S. V. Hospital, Oteen, N. C.

Electric Generator.—R. S. Armstrong & Bro. Co. (Mchy. Dealer), 676 Marietta St., Atlanta, Ga.—Wants used 37½ or 50 kw. electric generator, 3 phase, 60 cycle, 220 volt.

Electric Lighting, etc.—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Receives bids Sept. 30 to furnish, operate and maintain electric arc and incandescent street lamps within city limits; also for electric current for all municipal buildings, etc.; Wm. A. Parks, Supt. of Lamps and Lighting.

Electric Soldering Tools.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 28 for electric soldering tools, etc.; delivery Chicago, Ill., and Perry Point, Md.

Engines.—Box 57, Easton Pa.—Wants two 10x12 or larger D. C. random drum friction and reversible steam hoisting engines, Fiory Manufacturing Co. only; second-hand equipment.

Engines.—See Water Works.

Engine (Hoisting).—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond,

Va.—Wants one hoisting engine about 8x10 with double cylinders and double tandem friction drums without boiler.

Ferry.—B. B. Johnson, Jefferson County Judge, Beaumont, Tex.—Receives bids Oct. 12 for necessary equipment and installation of ferry on the Neches River where the Port Arthur to Orange road crosses; plans with County Engr.

Fire Hose.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 30 for 2500 ft. of 2½-in. fire hose; delivery Aspinwall, Pa.

Fill.—Carteret County Comms., J. E. Woodland, Chmn., Beaufort, N. C.—Receives bids Oct. 5 for construction of fill for roadway; work consists of 175,000 cu. yds. fill across marsh land and small creeks between Beaufort and Morehead; Geo. J. Brooks.

Furnishings (Hotel).—Mt. Mitchell Association of Arts & Sciences, Norwood G. Carroll, Sec. Treas., Little Switzerland, N. C.—Wants prices on furnishings for 4-story, 40x200-ft. hotel and auditorium to seat 3000.

Garage Machinery.—M. S. Studstill, Studstill's Garage, Homestead, Fla.—Wants prices on garage machinery.

Generator Sets.—Standard Soapstone Corp., C. Reeves, V. P. & Industrial Engr., Arlington, Va.—Wants two 500-kw. turbo generating sets, 2300 volts, 3 phase, 60 cycle, all complete with condensing equipment to operate 150 lbs. of steam, 28-in. of vacuum; state full particulars, condition and make with guaranteed water consumption.

Glasses (Medicine).—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 30 for 12,000 medicine glasses, capacity from 2 to 8 teaspoons; delivery Chicago, Ill.

Gold Solder.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 25 for 750 dwt. gold solder.

Grading.—Washington, D. C. See Construction News—Roads, Streets, Paving.

Gravel.—Louisiana Highway Comn., Raymond Bldg., Baton Rouge, La.—Receives bids Oct. 13 to furnish 8000 cu. yds. washed gravel for Fed. Aid Proj. 165, Richland Parish, Monroe-Winnshoro highway; delivery f.o.b. cars on track of Kellogg Lumber Co. where track crosses highway near Rhymes, in Richland Parish.

Gravel.—Louisiana Highway Comn., Raymond Bldg., Baton Rouge, La.—Receives bids Oct. 15 to furnish gravel for surfacing 6.28 mi. road in Bossier Parish; plans on file; W. B. Robert, State Highway Engr.

Gravel.—Washington County Highway Comms., Greenville, Miss.—Receives bids Oct. 2 to furnish 40,000 tons road gravel; O. C. Kulicka, Asst. Engr.

Hardware, Etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 26 to furnish hardware, etc., delivery Quantico, Va. Sch. 180.

Heating and P'umbing Systems.—Dist Comms., Room 500 Dist. Bldg., Washington, D. C.—Receives bids Sept. 28 to furnish and install plumbing and heating systems complete in three dormitory buildings, Dist. Training School, near Laurel, Md.

Hospital Furniture.—Dr. C. D. Osborne, Otterville, Mo.—Wants prices on beds and room equipment for hospital.

Hospital Furnishings.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Oct. 1 for 4550 cooks' aprons, bib style; 7500 counterpanes, 65,000 sheets, 2004 operating caps, sizes 6¾, 7 and 7¼, for supply depots.

House Furnishings and Equipment.—Phoenix Stone Co., Inc., Arrington, Va.—Wants six-hole steel range with 40-gal. hot-water tank; 40 straight chairs, 20 small writing tables, 40 window shades and draperies for same; cooking utensils and dishes for 20-room clubhouse, 20 radiators for 10x12-ft. rooms, 24 dining-room chairs, 20 chiffoniers.

Kitchen Supplies.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 25 for 60 earthenware mixing bowls, 2400 individual tea or coffee pots;

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

also on Sept. 28 for 468 wrought steel frying pans, 576 vinegar cruets, 130 salt canisters, 390 ice cream dippers, 216 bread boxes, 288 lemon squeezers, 122 slaw cutters, 625 lbs. steel wool, 294 dishpans, etc.; delivery Chicago, Ill., and Perry Point, Md.

Leather Belting.—Edw. W. Peters (Mchy. Dealer), Danville, Pa.—Wants two-ply leather belting, 6 in. wide, 100 ft. long.

Lumber.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 6 to furnish white or sugar pine, poplar, white oak, white hickory, white ash, Douglas fir and redwood, and creosoted Southern yellow pine or Douglas fir crossies. Blank forms and information (Circular 2304) on application to offices of Panama Canal, Asst. Purchasing Agents at Fort Mason, San Francisco, Calif.

Lumber.—W. Brodnax, Pres. Morehouse Parish Police Jury, Bastrop, La.—Receives bids Oct. 6 for 1400 lin. ft. creosoted long leaf piling, 42,600 F.B.M. white or post oak bridge lumber; delivery Crossett, Ark.

Miscellaneous Supplies.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids Sept. 29 to deliver bearing circles to Naval Observatory, Washington, D. C., and cotton for smokeless powder to Naval Powder Factory, Indian Head, Md.

Miscellaneous Supplies.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 28 to furnish 100 round celluloid eyelets; 150 black (18 ligne) fasteners; jewelers' saw blades, saw frames, etc.; two water, milk and beverage coolers; also on Sept. 30 for 300 bottles sodium sulphate crystals; various deliveries.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 1 to furnish garbage cans, fire brick, pressure gauges, dies, electro-plating supplies, soldering irons, paint remover, sperm and castor oil, grease, valve-grinding compound, harness dressing, copper sulphate, fiber mats, asbestos packing, boiler lagging, steel wool, asbestos paper, etc. Blank forms and information (Circular 2305), on application to offices of Panama Canal, Fort Mason, San Francisco, Cal.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 9 to furnish ready roofing, tile, glass, electrolytic copper, welding wire, electrode holders, zinc anodes, fire brick and clay, paint, varnishes and ingredients, turpentine, linseed oil, jute, rubber gaskets, caulking cotton, linoleum, leathers, floor wax, etc. Blank forms and information (Circular 1697) on application to offices of Panama Canal; Asst. Purchasing Agents at New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Cal.; also U. S. Engineer officers throughout country.

Oil Burning Equipment.—Salem Steam Laundry, Inc., W. H. Priesman, Pres., Salem, Va.—Wants data and prices on oil burning equipment for boilers.

Oil Burners.—F. H. Potter, 1241 W. Forty-first St., Norfolk, Va.—Wants oil burners and supplies; correspond with manufacturers.

Ore Jig.—L. J. Breed Equipment Co. (Mchy. Dealer), 824 James Bldg., Chattanooga, Tenn.—Wants one 50 to 100 ton capacity iron ore jig.

Paint, Varnishes, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 25 to furnish paint, varnishes and brushes; delivery Quantico, Va. Sch. 169.

Paving.—Kingston, Tenn. See Construction News—Roads, Streets and Paving.

Paving.—Texas City, Tex. See Construction News—Roads, Streets and Paving.

Paving.—Zebulon, N. C. See Construction News—Roads, Streets and Paving.

Paving.—Shreveport, La. See Construction News—Roads, Streets and Paving.

Paving.—Mt. Sterling, Ky. See Construction News—Roads, Streets and Paving.

Paving.—Henderson, Ky. See Construction News—Roads, Streets and Paving.

Pipe.—See Water Works.

Pipe (Iron or Steel).—Room, 330, Arcade Bldg., 1947 Broadway, N. Y.—Wants 10,000 ft. of 6-in. steel or iron pipe; used or surplus stock.

Pipe and Pipe Fittings, Etc.—Swan Shelton, Engr., Game, Fish and Oyster Comsn., Austin, Tex.—Wants data and prices on pipe and pipe fittings from 2 to 12-in. diam. with various weights, grades, etc., also other materials pertaining to fish hatchery construction.

Plumbing Equipment.—Mt. Michell Asso-

ciation of Arts & Sciences, Norwood G. Carroll, Sec.-Treas., Little Switzerland, N. C.—Wants prices on plumbing equipment for 4-story, 40x200-ft. hotel.

Portland Cement.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Sept. 25 to furnish Portland cement. Blank forms and information (Circular 1696) on application to offices of Panama Canal, Asst. Purchasing Agents at Fort Mason, San Francisco, Calif.

Radiators.—See House Furnishings and Equipment.

Rails.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 3000 ft. of 30-lb. relaying rails, standard mill lengths ASME sections.

Ready-Cut Houses.—Samuel B. Woods, Fort Lauderdale, Fla.—Wants data and prices on ready-cut houses.

Restaurant Equipment.—A. B. McCarmac, 1523 Main St., Columbia, S. C.—Wants data and prices on hot plates and cooking devices for quick-lunch stand or small restaurant; also automatic doughnut machine; correspond with manufacturers.

Retaining Wall, etc.—Guy A. Avey, Sec. Board of Education of Cacapon Dist., Great Cacapon, W. Va.—Receives bids Sept. 25 to construct retaining wall and sidewalks in front of the graded and high schools.

Road.—DeLand, Fla. See Construction News—Roads, Streets and Paving.

Road.—State of North Carolina, will build 19 roads. See Construction News—Roads, Streets and Paving.

Road.—Baltimore, Md. See Construction News—Roads, Streets and Paving.

Road.—Towson, Md. See Construction News—Roads, Streets and Paving.

Road.—Palestine, Tex., will build 2 roads. See Construction News—Roads, Streets and Paving.

Road.—Benton, La. See Construction News—Roads, Streets and Paving.

Road.—Philadelphia, Miss. Will improve 2 roads. See Construction News—Roads, Streets and Paving.

Road.—Wayne, W. Va.—Will build four roads. See Construction News—Roads, Streets and Paving.

Road.—Wilson, N. C. See Construction News—Roads, Streets and Paving.

Road.—Hagerstown, Md. See Construction News—Roads, Streets and Paving.

Road.—McKinney, Tex. See Construction News—Roads, Streets and Paving.

Road.—Opelika, Ala. See Construction News—Roads, Streets and Paving.

Road.—Rockville, Md. See Construction News—Roads, Streets and Paving.

Road.—Wheeling, W. Va. See Construction News—Roads, Streets and Paving.

Road.—State of South Carolina will build 2 roads. See Construction News—Roads, Streets and Paving.

Road.—Gulfport, Miss., will build 2 roads. See Construction News—Roads, Streets and Bridges.

Road.—Vicksburg, Miss. See Construction News—Roads, Streets and Paving.

Road.—Wheeling, W. Va. See Construction News—Roads, Streets and Paving.

Road.—Dillon, S. C. See Construction News—Roads, Streets and Paving.

Road Oil.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 24 to furnish 3000 gal. road oil; delivery Quantico, Va. Sch. 167.

Roofing Materials.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 28 to furnish roofing materials; delivery Quantico, Va. Sch. 178.

Rope (Steel Wire).—Room 330, Arcade Bldg., 1947 Broadway, N. Y.—Wants 5000 ft. of 1½, 1¼ or 1½ steel wire rope; used or surplus stock.

Rubber Sprays.—W. Braxton Wall, 42 Pierce St., N. W., Washington, D. C.—Wants rubber sprays for hair-dressing parlors (double spray) to connect with hot and cold water spigots; correspond with manufacturers.

Saw.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one Ruggles Machine Co.'s standard sawing machine, No. 13, having a table approximately 40 to 48 in. diam., either right or left hand; state full particulars and size of motor required to operate for sawing slate.

Sewers.—City of Kingston, Tenn.—Receives bids Sept. 30 for sanitary sewer system; 6900 ft. of 8-in. and 1700 ft. of 10-in. sewers, 31 manholes; Klyce and Harrub, Engrs., 506 Fourth and First National Bank Bldg., Nashville.

Sewers.—City of Winnsboro, S. C., S. D. Ellison, Mayor.—Receives bids Sept. 30 for furnishing and installing cast-iron pipe, terra cotta pipe, flush tanks, 3 manholes, 14 headwalls and pipe supports; W. N. Willis, Engr., Cleveland Law Bldg., Spartanburg.

Sewers.—City of Clearwater, Fla., Chas. F. Mason, City Mgr.—Receives bids Oct. 5 for 2300 ft. of 60-in., 2300 ft. of 48-in., 1600 ft. of 30-in., 3100 ft. of 24-in. and 2000 ft. of 18-in. storm sewers, 15 manholes, concrete headwall, 80 storm inlets.

Sewer System.—City of Brownsville, Tex., Job McGowan, Mayor.—Receives bids Sept. 8 for sanitary sewer system and disposal plant; Devlin Engineering Co., Consit. Engrs., Central Bldg., Amarillo.

Shoe Paste Machinery.—The Thomsen Co., R. J. McCord, Sec., Waco, Tex.—Will receive bids in about two or three months for machinery to manufacture liquid and paste shoe polish.

Shovel (Steam).—Keystone Equipment Co., 1947 Broadway, N. Y.—Wants ¾-yd. crawler type steam shovel, Erie only; give full description; Pennsylvania delivery.

Soda Ash.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Sept. 29 to furnish 40,040 lbs. soda ash; delivery Quantico, Va.; Sch. 182.

Steel Cable.—Box 57, Easton, Pa.—Wants two pieces of 2 to 2½ in., inclusive, steel cable, second-hand.

Steel Plates.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 300 or 400 ft. of ¼-in steel plates and lengths with square ends, for truck runway.

Steel Range and Hot-Water Tank.—See House Furnishings and Equipment.

Street.—Baltimore, Md. See Construction News—Roads, Streets and Paving.

Surgical Supplies.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 24 for surgical supplies for various depots.

Tank and Tower.—See Water Works.

Theater Equipment.—J. C. Holt, Mgr., Cherry River Amusement Co., Richmond, W. Va.—Wants prices on theater equipment, both new and second-hand.

Thread (Sewing).—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 28 for 4720 doz. sewing thread from No. 8 to No. 70, for supply depots.

Transformer House.—Board of Public Works, Baltimore, Md.—Receives bids Sept. 30 for transformer house No. 1 at Back River sewage treatment works; Milton J. Ruark, Sewerage Engr., City Hall Annex No. 1.

Trenching Machine.—Mallory Machine Co., Baltimore, Md.—Wants gasoline driven trenching machine, similar to Topping or Cleveland; size 13 in. by not less than 3 ft.; state condition, price, etc.

Tumbler Drier.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 26 for tumbler drier for U. S. V. Hospital, Augusta, Ga.

Washer.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids Sept. 29 for heavy duty washer for U. S. Veterans Hospital No. 24, Palo Alto, Calif.

Water Works.—Bluff City, Tenn., A. J. Geisler, Mayor.—Receives bids Oct. 6 for water works system; J. B. McCrary Engineering Corporation, Engrs., Atlanta, Ga.

Water Works.—Town of Philadelphia, Miss., A. B. McCraw, Mayor.—Receives bids Oct. 6 for water works, including furnishing cast-iron pipe, fire hydrants and valves, laying water mains; Massena L. Culley, Engr., Jackson.

Water Works.—City of Salisbury, Md., Francis H. Dryden, Ch. Engr., Water and Sewer Comsn.—Receives bids Oct. 1 for constructing low-level reservoir and areator, Contract No. 10; 500,000-gal. reinforced concrete low-level reservoir; areator and areator house; 20 tons cast-iron pipe and specials; 6 gate valves, 12 to 20 in.

Water Works.—Town of Bushnell, Fla., C. B. Allen, Chk.—Receives bids Oct. 14 for furnishing material, equipment and labor and construction the following to be erected complete: 75,000 gal. steel tank and tower; two 500 gal. per minute pumps, 1 electrical driven, 1 gasoline engine driven; 3800 ft. of 8-in. cast iron pipe; 15,000 ft. of 6-in. cast iron pipe; 9 tons special castings; 50 fire hydrants; thirteen 8-in. gate valves and boxes, twenty 6-in. gate valves and boxes; 1 pumping station building; pumping station piping; 1 10-in. well or 2 8-in. well; E. V. Camp & Associates, Inc., Consit. Supervising and Testing Engrs., Bartow.

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INDUSTRIAL NEWS OF INTEREST

Window Shades and Draperies.—See House Furnishings and Equipment.

Wire (Lampshade), etc.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 25 for 1280 lbs. lampshade wire, for supply depots; also silver wire, Nos. 20 and 30, put up in ½-oz. coils.

Woodcarving Tools.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 26 for woodcarving tools, the Loeffler "Craft Tools" or equal.

Woodworking Machinery.—B. Goodman, Burlington, N. C.—Wants data and prices on machinery to make toothpicks.

Woodworking Machinery.—Sam H. Sorrell, Ashland, Ala.—Wants data and prices on machinery to make cotton-mill picker, sticks and automobile spokes.

X-Ray Apparatus.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Sept. 26 for X-Ray apparatus, interrupterless, 10 kw., complete; prices to include installation.

Trade Literature

Electric Wheel Company Catalogue.

The Electric Wheel Company, of Quincy, Ill., have issued Catalogue No. 21-A, which tells all about their electric trucks and trailers, as well as their portable mountings for machinery of every description. There is an abundance of pictures which adequately represent the products of the company, and the accompanying descriptions are complete and satisfying.

Morris Runway Folder.

A large folder issued by Herbert Morris, Inc., Buffalo, N. Y., is devoted to a comprehensive description and illustration of the Morris industrial runway system of overhead transportation, which, it is said, has an ingenious, patented method of steering the trolley onto any desired branch without using moving switch tongues of any kind, and there is nothing to get out of order.

New General Electric Bulletin.

"Capacitors" is the title of a 24-page bulletin just issued by the General Electric Company, describing the value of this device in power factor correction on electric generating and distribution systems and for direct installation at motor terminals on low-voltage circuits. Details are given as to operation, location, etc. Illustrations in the form of charts, diagrams, tables and photographs are used.

New Marion Shovel Bulletin.

The Marion Steam Shovel Co., Marion, Ohio, has published Bulletin 316, concerning its new model 125 steam and electric shovel, which is fully illustrated and described and which has attracted wide attention among users of mechanical shovels. It embodies many improvements and its working efficiency has been increased. A copy of the bulletin will be sent to anyone on receipt of request.

Galvanum Paint Color Folder.

A color card and folder concerning their Galvanum paint have been issued by the Goheen Corporation of New Jersey, Newark, N. J.; New York office, 331 Madison avenue, New York city. This paint is applied directly to galvanized iron without the aid of an acid wash or primer of any sort, and no weathering of the metal is necessary to make it adhere. Only two coats of the paint are usually sufficient. It is made in all colors, as well as in black and white, and its presence in the market for more than 37 years, during which time it has been used by the largest industrial plants, is evidence of its worth. It is stated that it will give from seven to ten years' service.

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

General Sales Agent Appointed.

E. B. Hazen has been appointed general sales agent of the lumber department of the Central Coal and Coke Co., with office in the Keith & Perry Building, Kansas City, Mo., to succeed J. K. Wesson, resigned.

Furniture Factory to Be Sold.

Elsewhere in this issue appears a formal announcement of the forthcoming sale of the plant of the Reynolds Manufacturing Company, at Hickory, N. C., at 10 o'clock A. M. October 8. Besides the plant itself, the sale will include manufactured furniture, as well as stock in process of manufacture. The sale will take place on the premises. Further particulars will be found in the advertisement.

Flooring Plant and Ground for Sale.

The Boone Fork Manufacturing Company's flooring plant, machinery and lots, according to a formal announcement which appears elsewhere in this issue, are to be offered for sale at public auction on Thursday, October 22, on the premises at Elizabethton, Tenn., by court order. The plant includes machinery such as saws, matchers, flooring machines, table conveyors, surfacers, electric motors, crushers, pulverizers, etc. Hugh G. Kyle is the special commissioner in the case. Particulars will be found in the advertisement.

Beltting Machinery to Be Sold.

A liquidation sale of machinery and equipment of the Boston Belting Company, Boston, Mass. is to take place Tuesday and Wednesday, September 29 and 30, on the premises at 80 Elmwood St., Roxbury Crossing, in that city, according to a formal announcement which appears elsewhere in this issue. The company manufactures rubber belting, hose, packing, etc., and particulars concerning the effects which are to be sold will be found in the advertisement. Catalogue and other information may be had from the auctioneers, Henry S. Anthony & Co., Lowell, Mass.

Mill Building Property to Be Sold.

A formal announcement elsewhere in this issue gives notice of a mill building and grounds for sale at Mobile, Ala., by the Gulf Coast Investment Company, Inc., of that city. There are three other buildings in addition to the main factory structure, with a total area of nearly 15,000 square feet, and the buildings are wired for both power and light. There is heating equipment, but no mill machinery. The property is in the industrial village of Pritchard, immediately outside of the city limits. Particulars will be found in the advertisement.

New Seaboard Bonds All Sold.

Formal announcement is made elsewhere in this issue of the offering by Dillon, Read & Co., Ladenburg, Thalmann & Co. and Kissel, Kinnicutt & Co., all of New York city, of the new \$10,000,000 issue of Seaboard Air Line first and consolidated mortgage 6 per cent bonds, Series A, the notice being accompanied by a statement that all these bonds have been sold, the price being 94½ and interest. It is expected that delivery of the securities to purchasers will be made on or about September 29. Further particulars will be found in the advertisement. This bond issue will, as previously stated, provide for improvements and extensions that the Seaboard requires.

Representatives Appointed.

The Electric Controller & Mfg. Co., of Cleveland, Ohio, have appointed Elcher & Bratt of Seattle as representatives for the sale of their control equipment in the states of Oregon, Washington and Idaho (Panhandle District) and also in Alaska. The same firm also represents the Pittsburgh Transformer Co., the Jewell Electric Instrument Co. and the Electric Power Equipment Corporation. They are technical men.

Linde Appoints Sales Manager.

L. M. Zimmer has been appointed general sales manager of the Linde Air Products Co., manufacturers of oxygen, 30 E. 42d street, New York, and also of the Prest-O-Lite Co., Inc., manufacturers of dissolved acetylene. He succeeds L. M. Moyer, who resigned August 1. Mr. Zimmer entered the employ of the Linde organization nine years ago as junior salesman and has steadily advanced.

Aurora Pump & Manufacturing Co. Changes.

The Aurora Pump & Manufacturing Co., Aurora, Ill., has made some changes in organization which bring into the company (in addition to P. G. Hartz, president) L. W. Bodinson, vice-president and secretary; Emil Schopbach, treasurer, and W. J. Ostendorf, assistant treasurer. Two catalogues which the company has issued are of interest, one being about centrifugal pumps, the entire line of which are described with illustrations of important installations of them; there are also valuable tables for reference. The other catalogue is a well-printed and excellently illustrated book concerning deep-well pumps.

Director of Foundrymen's Association.

Jesse L. Jones, in charge of the chemical and experimental laboratory of the Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., has been named a director of the American Foundrymen's Association and also appointed as chairman of the important gray iron castings committee. He is also a member of the building and equipment section of their general foundries committee, which is just now busy with the erection of a new half-million-dollar brass foundry. Since 1903 Mr. Jones has been with the Westinghouse Company, in charge of chemical and physical testing work.

General Electric Building at Los Angeles.

Plans for the immediate erection of a large warehouse and office building at Santa Fe avenue and Fifty-second street, Los Angeles, Cal., by the General Electric Company have just been announced. The plant, which is to be used as a distributing center, will cost about \$1,000,000, including land, buildings and equipment. The plans, prepared by the Austin Company of California, call for a warehouse three stories high and designed to handle four additional floors. Besides housing handling machinery to move the stock, the building will include a cafeteria for employees. The office building will adjoin the warehouse and will be two stories high. It will be heated by electricity. Departments of the company now scattered all over the city will be moved to the new central location, which is expected to be ready about January 1.

Growing Importance of Cottonseed.

New Orleans, September 21.—Leaders in the cotton-oil industry here point out that a further gain in prosperity will result to this section from the increased output of cottonseed oil products made possible by the large cotton crop. Perfection of new commercial uses for the different elements found in the cottonseed has reached the point where these seed products, formerly lost when the cottonseed was destroyed as useless, are now worth hundreds of millions annually.

Numerous crushing mills and refineries located over the entire South will get from the 1925 crop one of the greatest revenues ever derived by this industry. Increased prosperity will be reflected thereby all over the cotton belt.

Leaders in the cotton-oil industry also state that the effect of this year's crop will be to place the cotton-oil business in such a strong financial position that it will rank permanently as one of the staple food industries of the world. Abundant supplies of raw materials this year over practically the entire cotton territory will give the cotton-oil mills control of their raw materials over many years to come.

From the long-despised cottonseed are now produced a large number of necessities, such as vegetable compound lard, vegetable salad oil, linters, stock feed, fertilizers, varnishes, tar, linoleums, greases, oilcloth, smokeless powder, phonograph records, artificial leather and numerous other valuable products in raw and finished state.

Club to Erect \$650,000 Building.

Officials of the City Club of Baltimore have definitely decided to proceed with the erection of its proposed club building at Saratoga street and St. Paul place, and have authorized the building committee to ask for bids on revised plans. Instead of erecting a structure of 6½ stories, as originally intended, it is now planned to build a 5½-story structure to cost \$650,000 with site. It will be 110 by 70 feet, of Italian Renaissance architecture.

The first floor will provide space for storerooms and a lobby, while the second and third floors will be devoted to offices. Clubrooms will be located on the fourth floor, as will the lounge, billiard rooms, card room, executive offices and library. The fifth floor will be devoted to a large dining room, which may be converted into an assembly hall when needed. It will also contain a serving room. Space for the main kitchen will be provided on the half top floor.

James W. Chapman, Jr., is president of the City Club and John L. Alcock is president of the City Club Building Co., which is handling construction details. Clyde N. Friz and Nelson Friz of Baltimore are the architects.

Artists' Colony in North Carolina.

Little Switzerland, N. C.—A tract of 1000 acres of land between Little Switzerland and Mt. Mitchell has been acquired by the Mt. Mitchell Association of Arts and Sciences, which has recently incorporated with Thomas Dixon of New York, as president, for the establishment of an artists' colony. Plans include the erection of a hotel on the crest of Pompey's Knob, theater, combination garage, laundry, servants' quarters and a settlement of cottages. Linthicum & Linthicum of Raleigh are the architects. Dr. Norwood G. Carroll, also of Raleigh, is one of the promoters of the enterprise.

Beaver Pond district, Edwin C. Wade, secretary of the Board of Education, Bluefield, W. Va., has sold a \$600,000 bond issue to Seasongood & Mayer, Inc., Cincinnati, Ohio, at \$602.225, proceeds to be used for the erection of school buildings.

Turning to Smokeless Coal.

Fairmont, W. Va., September 20—[Special.]—Increase in the usual demand for smokeless coals indicates that during the anthracite strike those who have been accustomed to the use of anthracite are falling back on the smokeless. Smokeless prepared has advanced in price owing to the heavier demand, the lump in both Eastern and Western markets now commanding as high a price as \$5 a ton, with the range from that figure downward to \$4.50. Mine run is also on a higher level in both inland markets and at tidewater, the price at Hampton Roads having recently been reported about \$5.59, delivered. There has also been a sharp advance in the price of slack, which has hovered around \$2 a ton.

So far this year smokeless shipments are nearly 4,000,000 tons in excess of those for the corresponding period of 1924. For instance, until July 31 shipments of smokeless had aggregated 24,530,118 tons, as compared with 20,922,101 tons in the first seven months of last year. In July, alone, the increase in production and shipment amounted to 804,062 tons, all fields showing an increase.

Coal traffic on the Chesapeake & Ohio and on the Norfolk & Western is heavier than it has ever been, the former road handling approximately 24,000 loads of coal a day.

Florida's Citrus Crop.

A preliminary estimate of the orange crop in Florida by the United States Department of Agriculture indicates 10,900,000 boxes, excluding tangerines, for 1925-26, or about 600,000 boxes more than the revised estimate of the crop last year.

Tangerine production is placed at 600,000 boxes, or 100,000 less than last year, and grapefruit 7,500,000 boxes, or 700,000 less than last year. Decreased production of grapefruit is attributed to light and spotted setting of fruit, and to the fact that there will be more oversized fruit than usual.

The total preliminary estimate for citrus fruits is 19,000,000 boxes, compared with a revised estimate of 19,200,000 boxes last year. These estimates are of the commercial carlot and express movement, and exclude the usual loss from drops.

Transmission Line to Pensacola.

Discussing the construction of a proposed power transmission line to Pensacola, Fla., the Alabama Power Company of Birmingham advises the MANUFACTURERS RECORD that this line will connect at Flomaton, Ala., with a 110,000-volt line to be constructed from Lock 18, its newly projected dam near Montgomery. The Pensacola line will be approximately 45 miles in length, of 110,000 volts capacity, constructed on wooden poles of the H frame type. It will be built for the Gulf Electric Co. by the Dixie Construction Co., Birmingham, a subsidiary of the Alabama Power Company. The line from Lock 18 will run via Montgomery and Georgiana for a distance of 150 miles.

To Vote on \$300,000 Bonds for Hospital.

Arcadia, Fla.—An election has been called by De Soto County Commissioners for October 6 on a bond issue of \$300,000 for the erection of a county hospital, plans for which have already been accepted. The proposed hospital will include a main building, three stories, fireproof; separate building for negroes and a separate building for nurses, together with a garage and furnace building. Talley, Buckley & Talley of Lakeland, Fla., are the architects.

The Dewland Lumber & Building Co., Toledo, Ohio, plans to erect a number of dwellings on the east coast of Florida at various points between Palm Beach and Miami, all to be of medium size, Spanish design, and built after the standard type of California and Florida.

Fresh Ideas

The Reserve Strength of Leadership

In business as in sports: "He who sets the pace must strain the hardest." The leader in any line of endeavor is the natural target for all competitors. Often these competitors are able to shoot the leader—targets full of holes because their aim is through the sights of progress and their bullets are *fresh ideas*.

Fresh ideas always indicate reserve strength in competitive business. The trouble with many one time leaders is that their ideas lose freshness. Business methods that brought them to the front become their speed limit. They lack the spurt of *fresh ideas*.

Conditions change; methods that were successful become antiquated or ineffective. Some house in the rank and file grasps the new opportunities which the leader fails to see and a new leader comes to the front.

Excellence of product and service are fundamental but they are not enough. To *maintain* leadership fresh and practical ideas are needed and their one source is *exact knowledge*—exact knowledge developed thru the new, the fresh, the practical in modern business accounting, up-to-date budget and costs systems, and the establishment of good will.

"BUDGET CONTROL—What it does and how to do it."
"GOOD WILL and ITS VALUATION."

These two most helpful booklets complimentary to executives on request. Address nearest office.

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DALLAS
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FORT WORTH
SAN ANTONIO
WACO

FINANCIAL NEWS

Bond Issues Proposed

Fla., Blountstown—Paving—City contemplates bond election. Address City Clk.

Ala., Huntsville—Road—Madison County Commrs. contemplate \$400,000 bond issue.

Fla., Brooksville—Road—Hernando County Commrs. receive bids Oct. 5 for \$1,000,000 5½% bonds.*

Fla., Fernandina—Road—Nassau County Commrs. will call election Oct. 20 on \$580,000 bonds.

Fla., Punta Gorda—Road—Charlotte County Commrs. will call election Oct. 12 on \$1,788,895 bonds.*

Ark., Watson—School—Watson Chapel School Dist. voted \$35,000 bonds. Address C. M. Hurst, State Supt. of Rural Schools, Little Rock.

Fla., Bradenton—Road—Manatee County Commrs. contemplate \$200,000 bond issue; H. C. Stanciliff, Clk.; Geo. A. Ralph, County Engr.

Fla., Bushnell—Municipal Improvement—City receives bids Oct. 14 for \$55,000 water, and \$7000 electric light system bonds. Address City Clk.*

Fla., Coleman—Water Works—City plans bond election. Address City Clk.

Fla., Daytona—School—City voted \$800,000 bonds. Address City Clk.

Fla., Daytona—Municipal Improvement—City, H. B. Cassin, Mgr., plans voting in Oct. on \$1,625,000 bonds: \$600,000, water works; \$375,000, sewer; \$600,000 to \$700,000, street paving; \$50,000, fire alarm, telegraph and police call.*

Fla., De Funiak Springs—Courthouse—Walton County Commrs., M. T. Fountain, Clk., receives bids Oct. 7 for \$150,000 5½% bonds.

Fla., Frostproof—Town votes Oct. 20 on \$355,000 bonds: \$270,000 paving; \$85,000 water works. Address Town Clk.

Fla., Miami—Road and Bridge—Dade County, Special Road and Bridge Dist. Nos. 3 and 2, voted \$950,000 bonds: \$650,000, causeway; \$300,000, road.*

Fla., Mulberry—Municipal Improvement—City contemplates \$92,000 bond issue: \$50,000, street paving; \$24,500, water works; \$8500, white way.

Fla., Sheffield—Paving—City Comm. contemplates \$211,000 bond issue. Address City Clk.

Fla., St. Augustine—Municipal Improvement—City, Eugene Masters, City Mgr., contemplates \$1,026,000 bond issue: \$450,000, sea wall, fill, street walks and adornment; \$50,000, white way street and park; \$125,000, central fire station equipment and electric alarm; \$125,000, street extension; \$35,000, causeway and bridge; \$125,000, city hall and auditorium; \$50,000, board walk; \$10,000, comfort station; \$8000, refund; \$25,000, asphalt brick streets; \$20,000, airship landing field.

Fla., St. Petersburg—Municipal Improvement—City, R. E. Ludwig, Director of Public Utilities, may vote Nov. 17 on \$3,319,000 bonds: \$100,000 incinerator; \$110,000 reinforced concrete bridges; \$365,000 sewerage disposal plant; \$45,000 dredging and improving Mirror Lake; \$235,000 purchase and install 2 units to power plant; \$60,000 retire mortgage on dormitory site; \$443,000 storm sewers; \$21,000 construct and enlarge drainage ditches; \$86,000 water plant improvement; \$946,000 expand water distribution system; \$253,449 gas plant extension; \$236,501 extend mains; \$100,000 purchase street cars; \$92,000 additional trackage; \$193,000 car barns; \$15,000 extend First Ave. loop R. S. Pierce, Mayor.

Fla., Tampa—Road—Hillsborough County votes Oct. 6 on \$1,100,000 bonds; W. E. Dickerson, County Clk.

Fla., Vero Beach—Road and Bridge—Board of Bond Trustees, B. T. Redstone, Sec., receives bids Oct. 6 for \$490,000 6% \$1000 denom. Atlantic-Gulf Special Road and Bridge Dist. bonds.

Fla., Vero Beach—Road and Bridge—Indian River County Commrs., Miles Warren, Clk., receives bids Oct. 6 for \$490,000 6% \$1000 denom. Special Road and Bridge Dist. No. 4 coupon bonds. Lately noted bids Aug. 24.

Fla., West Palm Beach—Municipal Improvement—City, A. C. Gingham, City Mgr., contemplates \$2,000,000 bond issue, including bathing beach, city hall building and site.

Fla., West Palm Beach—City, W. J. Bedell, Vice-Mayor, plans selling \$1,700,000 bonds.

Fla., Winter Park—Improvement—City, E. F. Bellows, City Clk., receives bids Oct. 1 for \$195,000 6% bonds.

Ga., Atlanta—Road—State, Clifford Walker, Governor, contemplates \$100,000,000 bond issue. Address State Treas.

Ga., Clarkesville—Road—Habersham County will vote on bonds. Address County Commrs.

Ga., Columbus—Bridge—Muscogee County may vote latter part of Oct. on \$75,000 bonds; R. H. Barnes, Clk. County Comm.

Ga., Columbus—Road—Muscogee County may vote latter part of Oct. on \$1,650,000 bonds; R. H. Barnes, Clk.*

Ga., Elberton—Bridge—Elbert County Commrs. plan selling \$36,000 bonds.

Ga., Fitzgerald—School, Paving, Water Works—City, J. H. Mayes, Mayor, voted \$90,000 bonds.*

Ga., Hartwell—Road—Hart County votes Oct. 14 on \$200,000 bonds. Address County Commrs.*

Ga., Norcross—Water and Sewer—City voted \$40,000 bonds. Address City Clk.

Ky., Fulton—Sewerage—City receives bids Sept. 28 for \$70,000 bonds. Address City Clk.*

Ky., Paducah—Park—Park Comm., Col. Harry C. Rhodes, Pres., will call election in November on \$150,000 bonds.

La., Crowley—School—Acadia Parish School Board, J. M. Baker, Sec., receives bids Sept. 29 for \$12,500 6% \$100 and \$500 denom. Dist. No. 10 bonds, and \$50,000 6% \$1000 and \$500 denom. Dist. No. 32 bonds.

Miss., Lexington—Water Works—City votes Oct. 2 on \$12,000 bonds. Address City Clk.

Miss., Monticello—School—Lawrence County Board of Suprvs. will issue \$7000 Monticello Consolidated School Dist. bonds.

Miss., Natchez—Refunding—Adams County Board of Suprvs., W. H. Hale, Clk., receives bids Oct. 6 for \$55,000 5% \$1000 denom. bonds.

Mo., Buffalo—Water Works—City votes Oct. 5 on \$40,000 bonds. Address City Clk.

Mo., La Grange—School—La Grange School Dist. voted \$35,000 bonds. Address Pres. Board of Trustees.

Mo., Savannah—Water Works—City, W. S. Dray, Clk., defeated \$60,000 bonds.*

Mo., St. Louis—Public Buildings and Improvement—City, Victor J. Miller, Mayor, receives bids Sept. 30 for \$4,139,000 4¼% \$1000 denom. bonds; Louis Nolte, City Comptroller.

N. C., East Spencer—Street—Town, E. W. Staton, Clk., receives bids Oct. 1 for \$10,000 6% bonds.

N. C., Sylva—Road—Jackson County voted \$500,000 bonds. Address County Commrs.

N. C., Waco—Electric Light—Town will sell \$5000 No. 5 Township bonds. Address Town Clerk.

N. C., Warrenton—Road—Warren County, Fishing Creek Township, voted \$20,000 bonds; J. M. Gardner, Clk. County Commrs.*

Okla., Enid—City voted \$25,000 incinerator bonds, and defeated \$215,000 water extension bonds; R. T. Williams, City Clk.*

Okla., Eufaula—County Courthouse—McIntosh County Commrs., Mrs. George Henshaw, Clk., contemplates \$225,000 bond election.

S. C., Blacksburg—School—City voted \$100,000 bonds. Address City Clk.

S. C., Newberry—Paving—Water and Sewerage—City plans \$125,000 bond election. Address City Clk.

S. C., Spartanburg—Municipal Improvement—City receives bids Oct. 7 for \$1,000,000 bonds. Address City Clk.*

S. C., Spartanburg—Municipal Improvement—City voted \$1,000,000 bonds: \$790,000, street and sidewalk; \$75,000, sewer; \$60,000, municipal power plant; \$75,000, incinerator. Address City Clk.*

S. C., York—Municipal Improvement—City plans \$150,000 bond election: \$40,000, water; \$30,000, sewer; \$80,000, standpipe, etc. Address City Clk.

Tenn., Columbia—Improvement—State Railroad and Public Utilities Comm. granted request Columbia Water and Light Co. to issue and sell \$38,000 6% bonds.

Tenn., Dickson—Municipal Improvement—City voted \$100,000 water and \$25,000 sewer bonds. Address City Clk.*

Tenn., Greeneville—Improvement—Town, N. A. Hawkins, Recorder, receives bids Sept. 30 for \$39,700 town improvement and \$30,000 district improvement bonds; D. P. Mason, Mayor.

Tenn., Kingsport—Sewer—City votes Oct. 14 on \$50,000 bonds. Address the Mayor.

Tenn., Knoxville—City contemplates \$250,000 street paving and \$34,000 water bonds. Address City Clk.

Tex., Amarillo—Paving—City, Jeff D. Bartlett, City Mgr., will vote on about \$40,000 bonds.

Tex., Artesia Wells—School—Artesia Wells School Dist. voted \$12,000 bonds. Address Pres. Board of Trustees.

Tex., Caldwell—Road—Burleson County defeated \$600,000 Road Dist. No. 1 bonds; G. W. Grant, County Judge.*

Tex., Cuero—Road—DeWitt County voted \$250,000 bonds; Stanley Kulawik, County Judge, Yoakum. Address County Commrs.

Tex., Decatur—Road—Wise County defeated \$1,000,000 bond issue; S. M. Ward, County Judge.*

Tex., El Campo—Sewer—City, W. L. Bellew, Mayor, voted \$60,000 bonds.*

Tex., El Paso—River Embankment—El Paso County plans \$1,500,000 bond issue; Roland Harwell, Mgr., El Paso County Irrigation Dist.

Tex., Galveston—Road—Ferry Landing—Galveston County, James A. Boddeker, County Commr., contemplates \$200,000 bond issue; Courtenay C. Washington, County Engr.

Tex., Galveston—Grade Raising—City plans selling \$2,000,000 bonds; C. A. Holt, Jr., City Engr.

Tex., Harrisburg—School—Harrisburg Independent School Dist. voted \$150,000 bonds; Mayor J. S. Deady, Pres. School Board.*

Tex., Harrisburg—School—Harrisburg Independent School Dist., J. Olin Van Ness, Sec., receives bids Sept. 26 for \$150,000 5% bonds.*

Tex., Hempstead—Road—Waller County contemplates \$1,250,000 bonds. Address County Commrs.

Tex., Mabank—Water Works—City voted \$60,000 bonds. Address City Clk.*

Tex., Nordheim—School—Nordheim School Dist. votes Nov. 30 on \$6000 bonds. Address Pres. Board of Trustees.

Tex., Nordheim—Water Works—City votes Oct. 3 on \$40,000 bonds. Address City Clk.

Tex., Orange—Road—Orange County, De Witt C. Bennett, Judge, plans selling \$70,000 Precinct No. 4 bonds.

Tex., Raymondville—Road—Willacy County Commrs. contemplate bond election; W. H. Head, County Judge.

Tex., San Antonio—Road—Bexar County votes Sept. 29 on \$600,000 bonds; Augustus McCloskey, County Judge; A. C. Pancoast, County Judge.

Tex., Sherman—Paving—City, O. J. S. Ellingson, City Mgr., votes Oct. 24 on \$125,000 bonds.*

Va., Berryville—Water Works—Town votes Sept. 24 on \$55,000 bonds. Address Town Clk.

Va., Richmond—Street—Board of Aldermen contemplates \$1,000,000 bond issue.

W. Va., Clarksburg—Road—Harrison County, Elk Dist., voted \$110,000 bonds; C. P. Sturm, Pres. County Court.*

W. Va., Hedgescove—School—School Board will call election Oct. 20 on \$75,000 bonds. Address Pres. of Board.

W. Va., Huntington—General Improvement—City, H. H. Fielder, Clk., receives bids Oct. 14 for \$1,150,000 4¼% \$1000 denom. bonds.*

Bond Issues Sold

Ark., Clarendon—Road—Monroe County Commrs., J. V. Palmer, Commr., sold \$26,000 bonds to M. W. Elkins & Co., 217 W. Second St., Little Rock.*

Fla., Monticello—Paving—City sold bonds to Farmers & Merchants Bank, Monticello.

(Continued on page 106)

New Issue

(All these bonds have been sold.)

September 15, 1925.

\$10,000,000

Seaboard Air Line Railway Company

First and Consolidated Mortgage 6% Gold Bonds, Series A

Dated September 1, 1915

Due September 1, 1945

Authorized \$300,000,000. Series A bonds have been authenticated to the extent of \$58,704,500 principal amount. On completion of this financing, \$37,767,500 Series A bonds will be outstanding in the hands of the public and upwards of \$20,000,000 Series A bonds will be pledged with the United States Government or in the company's treasury. Coupon bonds in denominations of \$1,000, \$500 and \$100, registerable as to principal. Fully registered bonds in denominations of \$1,000, \$5,000, \$10,000 and authorized multiples of \$10,000 exchangeable for coupon bonds in the denomination of \$1,000. Interest payable March 1 and September 1. Redeemable as a whole, or in amounts of not less than \$1,000,000 at any one time, on any interest date, on sixty days' notice at 107½ and accrued interest. These bonds will be listed on the New York Stock Exchange. Guaranty Trust Company of New York, Corporate Trustee.

The following information is contained in a letter from Mr. S. Davies Warfield, President of the Seaboard Air Line Railway Company.

THE COMPANY

The Seaboard Air Line Railway System directly operates 3,789 miles of railroad (exclusive of 441 miles of subsidiary companies), extending from Richmond, Virginia, through the South Atlantic states. The territory traversed is one of the most productive sections of the South, including the great citrus fruit-bearing, vegetable, cotton and tobacco growing districts and also many important manufacturing sections. The strength of the Seaboard's position is indicated by the fact that the percentage of miscellaneous freight to total traffic is greater than that of any important competing railroad of the South.

The lines of the Seaboard System reach substantially all the important cities of the South Atlantic seaboard and extend to Tampa, Fla., on the Gulf and to other Florida west coast points, to West Palm Beach (Palm Beach), Fla., on the east coast, to Norfolk and all important South Atlantic ports south of Norfolk, and also to Atlanta, Ga., Montgomery, Ala., and Birmingham, Ala. The Seaboard System reaches Washington, D. C., over the Richmond, Fredericksburg & Potomac Railroad, in which it has an interest.

The Seaboard System enjoys superior competitive advantages as the short line between Richmond and Florida. By the recent extension of its main line to West Palm Beach it became the only railway system operating through trains over its own rails from Richmond to points on the lower east coast of Florida. It is proposed that this line be extended to Miami and beyond and that on the west coast an extension be constructed to Fort Myers, Punta Rassa and other South Florida points. These proposed extensions will reach some of the most rapidly developing sections of Florida. The Seaboard System has the only direct line across the peninsula of Florida connecting the two coasts.

SECURITY

The First and Consolidated Mortgage bonds are a direct obligation of Seaboard Air Line Railway Company and are secured by direct first mortgage lien on approximately 442 miles of railroad, including the through low-grade main line of 258 miles from Hamlet, North Carolina, to Savannah, Georgia, via Charleston, South Carolina. They are further secured by pledge of certain securities, including \$48,879,000 Refunding Mortgage bonds out of a total of \$68,229,000 issued.

The effect of covenants made by the company is that no additional bonds (other than First and Consolidated Mortgage bonds) secured by any existing mortgage lien on any of the company's property now directly owned may be issued except additional Refunding Mortgage bonds, which by the provisions of the First and Consolidated Mortgage are required to be pledged thereunder. As such additional Refunding Mortgage bonds shall be issued and pledged under the First and Consolidated Mortgage, holders of First and Consolidated Mortgage bonds will acquire an increased interest in the security afforded by the Refunding Mortgage.

EARNINGS

Income applicable to interest, and other comparable figures, for the two years ended December 31, 1924, have been as follows:

Year Ended Dec. 31	Railway Operating Revenues	Railway Operating Expenses	Total Income Applicable to Interest	Fixed Interest Charges
1923	\$52,249,110	\$40,342,259	\$8,367,625	\$6,095,245
1924	53,384,173	41,387,634	9,933,490	6,601,413

Gross operating revenues for the seven months ended July 31, 1925, were over 10.6% greater, and net railway operating income was 9.4% greater, than for the corresponding period of 1924. The officials of the company estimate that after the first year of full operation of the additional Florida lines, of which 264 miles are now in operation and 204 miles proposed to be built, the annual gross operating revenues of the system will be increased by approximately \$10,000,000 and the net operating revenues by approximately \$4,500,000.

We offer these bonds for delivery when, as and if accepted by us, subject to the approval of legal proceedings by our counsel and subject, to the extent contemplated by law, to approval by the Interstate Commerce Commission. It is expected that delivery will be made on or about September 29, 1925, in the form of definitive bonds or interim receipts of Dillon, Read & Co.

Price 94¾ and Interest. To Yield 6.47%

Further information is contained in a circular which may be had on request.

Dillon, Read & Co., Ladenburg, Thalmann & Co., Kissel, Kinnicutt & Co.

The statements herein have been accepted by us as accurate but are in no event to be construed as representations by us.

FINANCIAL NEWS

(Continued from page 104)

Fla., Leesburg—Municipal Improvement—City, W. E. Harkness, Clk., sold \$265,000 bonds to Braun, Bosworth Co., Toledo, Ohio, at premium of \$12,190.*

Fla., Ocala—Street—City sold \$280,000 6% bonds to syndicate composed of Weil, Roth Co., 217 Drexel Terminal Bldg., Cincinnati; Stranahan, Harris & Oatis, Inc., Toledo, and Seasongood & Mayer, 204 Ingalls Bldg., Cincinnati, at premium of \$7700.*

La., Napoleonville—Road—Assumption Parish Police Jury sold \$60,000 6% Road Dist. No. 3 bonds to Sutherland, Barry & Co., 339 Carondelet St., New Orleans, at premium of \$5770.*

La., Thibodaux—Road—Lafourche Parish Police Jury, Charles J. Coulon, Clk., sold \$95,000 6% bonds jointly to Sutherland-Barry & Co., Inc., 339 Carondelet St., New Orleans, and Caldwell & Co., Nashville, Tenn., at par, accrued interest and premium of \$1445.*

La., Vidalia—Road—Concordia Parish Police Jury, P. C. Brown, Pres., sold \$150,000 5% \$1000 denom. bonds jointly to L. E. French & Co., Alexandria, and M. W. Elkins & Co., 217 W. 2nd St., Little Rock, Ark.*

Md., Rockville—Road—Montgomery County Commrs. sold \$58,000 4½% bonds to J. A. W. Iglehart & Co., 102 St. Paul St., Baltimore, at 102.1297.*

Miss., Clinton—Water—City sold \$20,000 6% bonds to Merchants Bank & Trust Co. of Jackson at premium of \$340.

N. C., Black Mountain—Water—Town, H. A. Kerlee, Clk., sold \$50,000 6% bonds to Spitzer, Rorick & Co., Toledo, Ohio, at \$51.055 and accrued interest.*

N. C., Lumberton—Highway—Robeson County, Eva W. Floyd, Clk., sold \$450,000 bonds to Braun, Bosworth & Co., Toledo, at premium of \$3707.*

N. C., Marshall—Water and Street—Board of Aldermen sold \$35,000 \$1000 denom. bonds to Stern Bros. & Co., 1009 Baltimore St., Kansas City, Mo., at premium of \$45.65.*

N. C., Sylva—Road—Jackson County Commrs., Raymond B. Nicholson, Clk., sold \$150,000 5¼% bonds to Henry D. Lindsley & Co., New York City, at par.

S. C., Jonesville—Water and Sewer—Town, E. S. McWhirter, Clk., sold \$77,000 6% \$1000 denom. coupon bonds to Robinson-Mumphrey Co., Citizens & Southern Bank Bldg., Atlanta, at premium of \$50.*

S. C., Spartanburg—Spartanburg County Commrs., J. J. Vernon, Supvr., sold to Bank of Commerce, 134 Morgan Square, \$300,000 4% bonds at \$298.480, and \$30,000 4% tuberculosis hospital bonds at \$29.025.

Tenn., Columbia—Refund—City sold \$68,000 bonds to American National Co., 235 Third Ave., N., Nashville.*

Tenn., Dayton—Refunding—Rhea County sold \$312,000 \$1000 denom. bonds to Provident Savings Bank & Trust Co., Cincinnati, Ohio, at par, accrued interest and premium.*

Tex., Orange—Road—Orange County sold \$70,000 bonds to H. C. Burt & Co., Houston.*

Tex., Port Arthur—Water—City, J. P. Logan, Mayor, sold \$400,000 bonds to C. W. McNear Co., 76 W. Monroe St., Chicago.

Building and Loan Associations

Md., Baltimore—Primus Building & Loan Assn., Inc., 622 Equitable Bldg., capital \$100,000, incorporated; Samuel S. Sapero, Allen J. Berry.

S. C., Heath Springs—Standard Building & Loan Assn., capital \$50,000, incorporated; S. F. Hinson, Pres.; James E. Caskey, Sec. Treas.

Tex., Brownsville—Brownsville Building & Loan Assn., capital \$1,000,000, organized; S. C. Graham, Sec.

New Financial Corporations

Fla., Boynton—First National Bank of Boynton, Ocean Ave., capital \$50,000, incorporated; Stiles C. Hall Pres., West Palm Beach; W. J. von Behren, Cashier, West Palm Beach.

Fla., Miami—Thomas S. Davenport, 409 N. E. 349th St., interested in organizing City National Bank of Miami, with \$1,000,000 capital.

Ky., Lexington—Union Bank & Trust Co. of Lexington plans increasing capital, \$100,000 to \$150,000.

La., Haynesville—North Louisiana Securities, capital \$50,000, incorporated; L. A. Been, Pres.; L. W. Baker, Sec. Treas.

Mo., St. Louis—Guardian Loan & Mortgage Co., capital \$10,000, incorporated; Daniel Smith, F. Elding B. Houchens.

S. C., Charleston—Bank of Charleston, R. S. Small, Pres., Charleston, S. C., purchased Norwood National Bank, Geo. W. Norwood, Pres., Greenville; combined capital, surplus and profits over \$2,600,000.

Tenn., Memphis—Tennessee Agricultural Credit Corp., capital \$40,000, incorporated; Charles Key, J. M. Haynes.

Tex., Houston—Security Union Casualty Co., capital \$100,000, incorporated; George P. Christy, Pres.; Thomas Fitzgerald, Sec.

Blaw-Knox Proportioner for Concrete Work.

Apparatus has been perfected by the Blaw-Knox Company, Pittsburgh, Pa., to meet requirements of certain localities which specify that concrete aggregates shall be measured by weight, and this proportioning equipment, it is stated, does its work in such a way as to save the most labor. The weighing arrangement consists of a hopper or weighing batcher of patented design which is suspended beneath the sand and stone openings of the bin and so made that both the fine and the coarse aggregates are kept separate by a steel partition. Flow of material from the bin to the hopper is controlled by a roller bin gate that is also patented, and the weighing batcher or hopper is connected to a standard beam scale by a system of overhead levers arranged for one-man operation.

Cut Your Building Costs—Use "GUNITE"



Factory and Bottling Plant of
CLEARY SUPPLY COMPANY
POTTSVILLE, PA.

This factory built by our Contract
Department which is especially
equipped for such work.

All Walls, Floors, Roofs, Steel Protection, Fireproofing, Waterproofing,
Sidewalks and Roadway Paving for this building are "GUNITE".

ECONOMICAL—SERVICEABLE—PERMANENT

CEMENT-GUN CO., INC.,
ALLENTOWN, PA.

We desire to obtain information regarding the use of "GUNITE," and also desire quotation on

- [Erecting Gunite Walls
- [Erecting Gun to Roofs
- [Lining Reservoirs
- [Protecting Steel
- [Lining Coal Bunkers
- [Protecting Piles
- [Restoring Disintegrated Concrete and Masonry

Name

Address

Let us tell you more about "GUNITE" and the work
of the "CEMENT-GUN" (Trade-Mark)

CEMENT-GUN CO., Inc.
ALLENTOWN, PA.

We are the sole representatives for the sale of Traylor Portable Compressors, horizontal type, slow speed, high efficiencies. The most satisfactory portable compressor on the market. We have Southern territory open for agents.

New York Chicago Pittsburgh Phoenix Salt Lake City Seattle

HELPFULNESS

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INCOME TAX SERVICE

This company is equipped to render every possible service and to furnish information in connection with the preparation of schedules, the prosecution of claims and other questions relating to taxes, having a staff of attorneys and accountants specializing in these matters.

One of the principal objects in establishing this department is to render a complete service in everything relating to taxes for individuals or corporations, with reasonable charges based on actual time and work involved.

EQUITABLE INVESTMENT COMPANY
Union Trust Building WASHINGTON, D. C.

References: Franklin National Bank—District National Bank.

Southern Exports

COTTON and tobacco, two of the nation's ten most important exports are produced almost entirely in the South, and their value exceeds that of the remaining eight.

Not only does the Bank of New York and Trust Company, a pioneer in export trade, finance a large volume of this business but it also co-operates in the export of miscellaneous manufactures. In every case the method of financing is arranged with careful attention to economy and efficiency.

Southern bankers and manufacturers are invited to consult us concerning their foreign problems.

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FIRST MORTGAGE REAL ESTATE BONDS

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How many of the Outstanding Facts about the South do you know?

The Blue Book of Southern Progress for 1925 contains many facts and figures which show the amazing progress of the South. It is full of information which every Southern man and woman should know because they are Southern and, therefore, must for all time be identified with the history of their section. This information is at the same time of equal interest to business men of other sections who desire to know about the South, what it is doing, what it has and what its future is destined to be.

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BALTIMORE, MD.

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MANY a man who today owns a desirable piece of property is prevented from erecting on it a valuable, income-earning building by just one thing—financing. But many a man in just this position has been enabled to go ahead with his project by just one thing—the Miller Plan of Financing.

The Miller Plan brings to you the financial aid of men and women in all parts of the country who are satisfied investors in Miller First Mortgage Bonds. Though they are strangers to you personally, they are able and willing to aid you because of the fine record of safety combined with liberal earnings that Miller Bonds possess.

Accept their help.

Whether you contemplate the erection of a hotel, apartment building or office structure, you would do well to consider the advantages of the Miller Plan of Financing.

Periodic disbursements are made as the building is constructed. Building is sufficiently

financed at the outset. This financing is secured by a first mortgage on land and building, extending over a long period of time. Convenient payments, out of income from the completed structure, take care of interest and reduce amount of indebtedness. Financing less expensive. No shopping for money. Best type building is produced. Architect's ideas are carried out.

By the simple operation of the Miller Plan, the owner is relieved of the worrisome details of the ordinary loan.

From \$250,000 to \$1,000,000 and more

We are ready to place at your disposal any amount from \$250,000 up, which will be secured by a first mortgage on your land, building and equipment.

Find out more about how this Miller Plan of Financing operates. Read enthusiastic letters from owners and builders for whom we have negotiated first mortgage bond issues. *Write for Booklet L-800.*

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COLDWATER SPRINGS ANNISTON, ALABAMA

*a never failing spring
of clear, pure water not
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*flows a volume of more than
30,000,000 gallons per day*

The source of Anniston's water supply is from this spring located nine miles from the city.

Its flow of 30,000,000 gallons a day insures adequate supply for industries and its purity is attested by the government (Camp McClellan, near Anniston, is using it as its water supply).

A reservoir on the mountain, with a capacity of 6,000,000 gallons, 210 feet above city datum, gives a gravity power of 90 pounds per square inch on distribution pipes.

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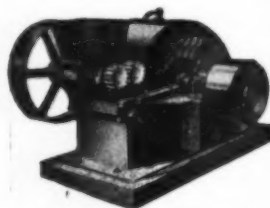
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A combined preliminary breaker and fine grinder. Reduces cottonseed or similar cake to meal in one operation. This machine is just one of over 300 types of crushers, grinders and shredders operating by the original Williams Hinged Hammer Principle. They reduce any material to any size you wish. Tell us what you want to crush, grind or shred, and let us quote on a machine for the purpose.

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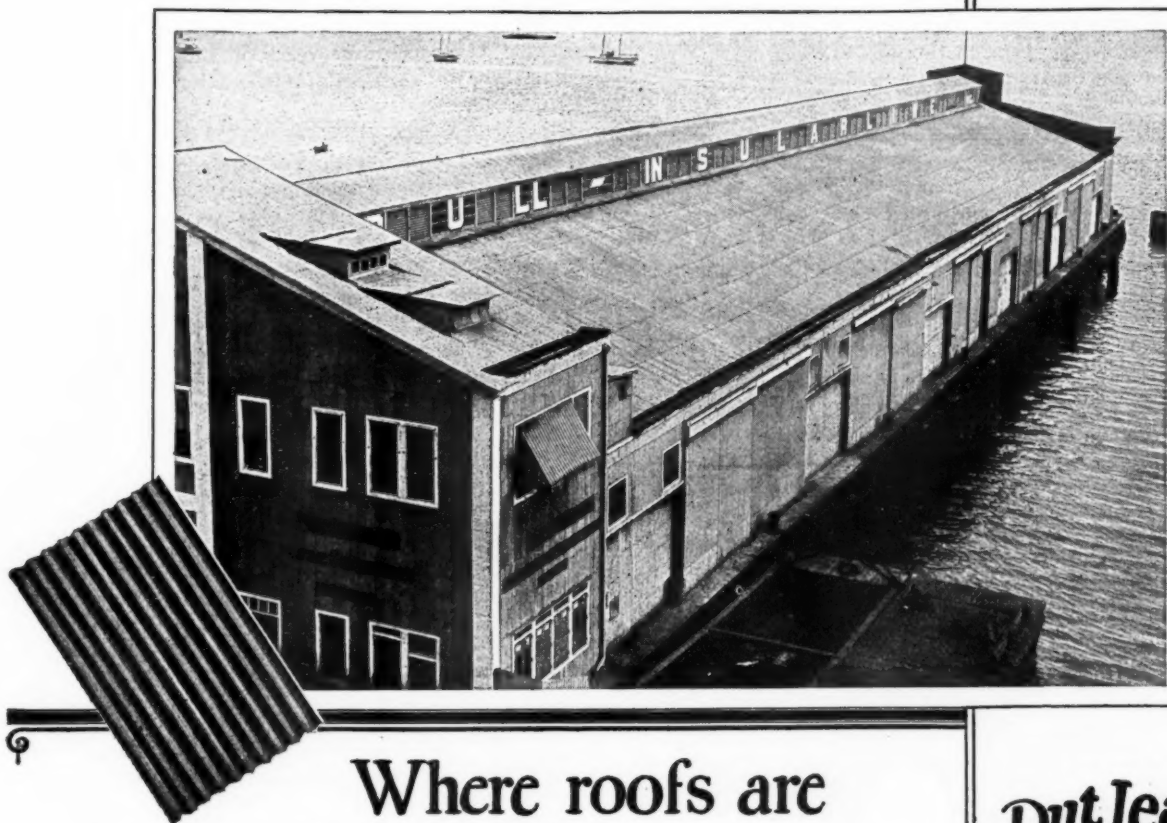
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BALTIMORE, MD.



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THE roof of lead is the lasting roof. Immune to rust, unaffected by any weather condition, it has long been recognized as the ideal roofing material. But pure lead, heretofore, has not been practical for roofing purposes. Available only in thick, heavy sheets, its excessive weight and lack of rigidity have made any general use impossible.

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For permanent freedom from your own roofing troubles and expense, investigate LEADCLAD. Write for samples, reports of tests and full information.

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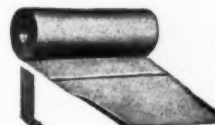
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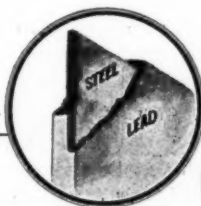
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Notes on Good Roads Construction.

Morehouse Parish Police Jury, Bastrop, La., will receive bids until October 6 for the construction of 500 lineal feet of timber bridges on pile bents through the Tchemanhaut bottoms, for which plans may be obtained from J. Lester White, parish engineer, Bastrop.

The Board of Aldermen of Richmond, Va., is considering a bond issue of \$1,000,000 for curbing and guttering and a loan of \$50,000 for oiling streets in the city. It has also approved a resolution providing for a loan of \$30,000 to pave Meadow Bridge road.

Fauquier County Commissioners, T. E. Bartenstein, county clerk, Warrenton, Va., plan to resurface 27.35 miles of road in Marshall district, for which a bond issue of \$120,000 has been voted. Plans and specifications may be obtained from C. F. Ramey, Marshall. P. C. Richards of Warrenton is the engineer.

The city of Palmetto, Fla., E. H. Mason, city clerk, has sold \$623,000 of bonds for street paving, the selling price being \$592,223. Purchasers of the bonds include Seasongood & Mayer, Cincinnati, and Spitzer, Rorick & Co., and Stranahan, Harris & Oatis, Inc., both of Toledo, Ohio.

Bids will be received until October 15 by the Louisiana Highway Commission, Baton Rouge, for the construction of 6.28 miles of gravel road on the Minden-Shreveport highway in Bossier parish.

Voters of Frostproof, Fla., have endorsed a bond issue of 300,000 to pave approximately 20 miles of highway, including a 7-mile section of the proposed cross-state road from Vero to Tampa, via Frostproof.

Petitions are being circulated in Waller County, Texas, requesting an election on a bond issue for the construction of roads, estimates placing the cost of the proposed highways at \$1,250,000.

Contract has been awarded to M. C. Winterburn, Inc., Jacksonville, Fla., at \$239,652, for the construction of 10 miles of state road in Dade county, Florida, extending from the Tamiami boulevard west.

Jackson county, Raymond R. Nicholson, county clerk, Sylva, N. C., has sold a road and bridge bond issue of \$150,000 to Henry D. Lindsley & Co., New York, at par, the bonds to bear an interest rate of 5 1/4 per cent.

A bond issue of \$110,000 has been sold by Sumter County Permanent Road Commission, J. J. Brennan, secretary, Sumter, S. C., to the Peoples Security Co., Charleston, at par and a premium of \$495.

Contract has been awarded to the Flenniken Construction Co., Knoxville, Tenn., for building 15 miles of roads radiating from Shreveport, La., to cost about \$850,000.

Contracts have been awarded by the State Road Commission, Charleston, W. Va., for the construction of seventeen bridge projects at a total of approximately \$280,000.

The city of Lake Wales, Fla., is considering street construction at a cost of nearly \$400,000, costs to be paid by property owners.

Twelve street paving contracts, aggregating \$105,115, have been awarded by the City Council of Danville, Va., to T. C. Laramore of that city.

Mack Buses for Southern Service.

The International Motor Co., New York city, reports the following sales to Southern concerns of Mack buses:

The Miami Branch of Mack Trucks, Inc., has sold to the Irons Land & Development Co. a 25-passenger parlor-car bus, also a parlor car, to the George W. Harvey Realty Co., West Palm Beach. Laurel Park Estates, Inc., Hendersonville, N. C., has purchased a Dixie Special, which is offered by the Mack Trucks, Inc., in states where the laws prohibit buses over 84 inches wide. The bus will operate between Hendersonville and Charlotte, a distance of 140 miles.

Two 25-passenger parlor cars have been sold to operators of the Red Ball Line, Paris to Dallas, Texas, a distance of 115 miles, for which a fare of \$4 is charged. This line formerly used rebuilt touring cars. Stone & Webster, Inc., Boston, Mass., have purchased five 230-inch bus chassis on which special bodies will be built for the Virginia Railway & Power Co., Richmond.

Three Mack parlor cars of 25-passenger capacity are the first buses to operate over a new route between Birmingham and Montgomery, Ala., a distance of 110 miles, for which a fare of \$3.50 one way, or \$6.50 a round trip, is charged. They are operated by A. B. Langley, owner of the Birmingham-Montgomery Transportation Co., Inc. This company also operates four 15-passenger cars between Birmingham and Decatur, a distance of 100 miles.

Richmond Trolley and Bus Lines United.

The Virginia Railway & Power Co., Richmond, Va., has bought the Richmond Rapid Transit Corporation, which operates motorbus lines there, and the city will be assured of a united service as soon as the necessary franchise for the combination has been granted by the city council. The transaction, which involves about \$450,000, including the liabilities of the motorbus company, and which the purchasing company is to assume, was brought about by negotiations conducted by a joint committee of the Richmond Chamber of Commerce and the Retail Merchants Association. The Virginia Railway & Power Co. recently bought the motorbuses that are operated in Norfolk, so that it will now have a consolidated railway and bus service in each city.

Modern Buses Supplant Roanoke Jitneys.

Roanoke, Va.—Twenty-two new buses of the Safety Motor Transit Corporation are operating on the streets of this city in place of the former jitneys. T. E. Greer is president of the new concern and C. R. Lescure is manager. Fifty drivers have been employed, as well as two supervisors, two mechanics and two night laborers to maintain the service over 18 hours of the day and night, commencing at 5.40 in the morning.

Each of the new buses has a carrying capacity of 20 passengers. They are equipped with improved roof-ventilating systems, in addition to windows.

Bonds Sold for Mississippi Road.

Waynesboro, Miss.—Bonds in the sum of \$150,000 for building the Wayne county link of the Mobile-Meridian branch of the Mississippi Valley highway have been sold to the Meridian Finance Co. at par and a premium of \$3000. The road will be surveyed and contract awarded for construction as early as possible. It is understood that Green, George and Jackson counties will build a road from Pascagoula via Lucedale and Leakesville to State Line, connecting with the Wayne county road.



BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



PROPOSALS

Bids close October 10, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. October 10, 1925, and then opened, for furnishing all materials and installing air pressure pipe system for the navigation lock of Wilson Dam. Further information on application.

Bids close September 25, 1925.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 10, 1925—SEALED PROPOSALS will be opened in this office at 3 P. M. September 25, 1925, for the installation complete of one electric dumbwaiter for the U. S. Postoffice, Lakeland, Fla. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close October 9, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Sept. 18, 1925—SEALED PROPOSALS will be opened in this office at 3 P. M. October 9, 1925, for extension and remodeling of roadways, including all incidental changes and repairs at the U. S. Marine Hospital, Baltimore, Md. Drawings and specifications may be obtained from the Medical Officer in Charge of the U. S. Marine Hospital at Baltimore, Maryland, or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close September 25, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 10, 1925—SEALED PROPOSALS will be opened in this office at 3 P. M. September 25, 1925, for extensions and miscellaneous interior remodeling, including the mechanical equipment, at the United States Postoffice, Lakeland, Fla. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close September 29, 1925.

PROPOSALS, in duplicate, will be received by The Quartermaster, U. S. Marine Corps, Headquarters, Navy Department, Washington, D. C., until 11:00 A. M., 29 September, 1925, covering the sale of 2 De LaVergne oil engines and 2 Deming plunger pumps, condition reported as unserviceable, located at the Marine Barracks, Parris Island, S. C., and 13,685 pairs of black shoes, unused, 35 Underwood typewriters, 91 L. C. Smith typewriters, 2 Remington typewriters, 2 Royal typewriters and 4 Corona typewriters (condition of typewriters reported as fair or unserviceable), located at the Depot of Supplies, 1100 South Broad Street, Philadelphia, Pa. Proposal blanks may be procured from The Quartermaster, U. S. Marine Corps, Room 3207, Navy Bldg., 18th & B Sts. N. W., Washington, D. C. The Quartermaster reserves the right to reject any or all bids and waive informalities therein. Schedule No. 143. C. L. McCawley, Brigadier General, The Quartermaster.

Bids close October 13, 1925.

\$70,000 Jail Bonds

Crowley, La.

The Police Jury of Acadia Parish at Crowley, Louisiana, will receive sealed bids on or before and open them at 11 o'clock A. M. Tuesday, October 13, 1925, for sale of \$70,000 worth of "Parish Jail Bonds," to be dated January 1, 1926, principal payable December 31 during years 1926 to 1935, both inclusive, out of avails of surplus revenues of said years, bearing not to exceed 6% interest per annum, payable semi-annually. Certified check, 2½% of bid, must accompany bid. Right reserved to reject any and all bids.

Address bids J. G. Medlenka, President Police Jury, Acadia Parish, Crowley, Louisiana, "Parish Jail Bonds."

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close September 28, 1925.

City of Pensacola, Fla., 5% Gold Bonds

DATED OCTOBER 1, 1925.

MATURE OCTOBER 1, 1955.

Sealed bids are invited until two o'clock P. M. September 28, 1925, for all or any part of Four Hundred and Ten Thousand Dollars (\$410,000.00) Five per cent (5%) Improvement Bonds of the City of Pensacola, Florida.

Principal and interest payable in gold. Copy of opinion of John C. Thomson, Esq., attorney at law, of New York City on the legality of the bonds will be furnished purchaser.

Bid must be on blank form furnished by the City of Pensacola.

For further particulars apply to the United States Mortgage & Trust Company, New York City, or the undersigned.

J. H. BAYLISS, Mayor, Commissioner of Finance and Revenue.

Attest:
J. E. FRENKEL, City Clerk.

Bids close October 6, 1925.

\$400,000 5% Road Bonds

Mayfield, Ky.

Sealed bids will be received at the office of C. C. Wyatt, County Treasurer of Graves County, First National Bank, Mayfield, Ky., until 11 A. M. Tuesday, October 6, 1925, for \$400,000 Graves County Road Bonds. Said bonds are dated September 1, 1925, of the denomination of \$1000 each, payable serially as follows:

\$15,000 maturing each year on March 1, 1931, 1932, 1933, 1934 and 1935.

\$20,000 maturing each year on March 1, 1936, 1937, 1938, 1939 and 1940.

\$25,000 maturing each year on March 1, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948 and 1949.

Principal and semi-annual interest at five (5%) per cent, payable March 1 and September 1 at Chemical National Bank of New York City. Cost of any approval of legality and cost of printing to be borne by purchasers. Law under which issue voted has been passed upon by Kentucky Court of Appeals. Full faith and credit of accounts, with an assessed valuation of over \$20,000,000. True value of over \$35,000,000 and with no other obligations is pledged in payment. Further particulars may be had by application to C. C. Wyatt, County Treasurer, Mayfield, Kentucky.

The Fiscal Court of Graves County shall have the right to reject any and all bids. All bids must be accompanied by a certified check or a cashier's check on some bank in Graves County, Kentucky, in the sum of one (1%) per cent of the par value of bonds bid for, made payable to C. C. Wyatt, County Treasurer, Graves County, and all bids shall be addressed to him at his office in the First National Bank, Mayfield, Kentucky. Delivery of said bonds will be made on October 6, 1925, or as soon thereafter as practicable.

C. C. WYATT, County Treasurer.
Graves County, Kentucky.
September 8, 1925.

Bids close September 30, 1925.

\$69,700 Improvement Bonds

Greeneville, Tennessee, will receive proposals for the purchase of \$69,700 Town Improvement and \$30,000 District Improvement Bonds at the office of the Recorder on September 30, 1925, at 2 o'clock.

N. A. HAWKINS, Recorder.

Bids close October 15, 1925.

\$20,000 5% Road Bonds

Warrenton, N. C.

S. M. Gardner, Register of Deeds, Warrenton, N. C., will receive sealed bids until October 15 at 10 A. M., for 5% semi-annual Township Road Bonds to the amount of \$20,000, denominations \$1000. Enclose certified check for \$500, evidence of good faith.

Bids close October 6, 1925.

\$490,000 6% Bonds

Vero Beach, Fla.

Sealed bids will be opened for \$490,000 six per cent Bonds of Special Road and Bridge District No. 4 of Indian River County, Florida, on October 6, 1925.

Write to Miles Warren, Clerk of Board of County Commissioners, Vero Beach, Fla., for full information.

Bids close October 12, 1925.

Reconstruction of Viaduct

OFFICE OF THE CITY MANAGER.

Lynchburg, Va.

1. Sealed proposals will be received at the office of the City Manager, Lynchburg, Virginia, at the Municipal Building until 10 A. M. Eastern Standard Time on Monday, October 12, 1925, and publicly opened and read as soon as possible after 10 A. M. of the same day, for the TRANSFORMATION OF A WROUGHT IRON VIADUCT INTO A REINFORCED CONCRETE STRUCTURE, the same known as RIVERMONT VIADUCT, across the valley of the Blackwater Creek, within the City of Lynchburg, Virginia, involving among other quantities approximately:

14,000 cubic yards Class A reinforced concrete (1:2:4).

1800 cubic yards Class B reinforced concrete (1:3:6).

1,120,000 lbs. reinforcing steel.

2. Plans and specifications of the said Viaduct are on file in the offices of

E. A. Beck, City Manager, Municipal Building, Lynchburg, Virginia; also

Allen J. Saville, C. E., Virginia Railway & Power Building, Richmond, Virginia.

Alfredo C. Janni, C. E., 809 Park Row Building, New York, N. Y.,

where they may be examined: Copies of plans, specifications, etc., may be obtained by making a deposit of Thirty Dollars (\$30). Such plans and specifications must be returned within ten (10) days after the awarding of the contract, whereupon a refund of Twenty-two Dollars (\$22) will be made.

3. Every proposal to be accompanied by a cash deposit or certified check, drawn upon a National or State bank, payable without restriction to the City of Lynchburg, Virginia, for the sum of Twenty-five Thousand Dollars (\$25,000). Such deposit, except that of the successful bidder, will be returned to the depositor on the award of the contract.

4. The performance bond required will be for the full amount of the estimated cost according to contract prices submitted.

5. Upon application at the Municipal Building, Lynchburg, Va., an Engineer will be available at the site any day of the week until the close of bids.

6. The City of Lynchburg, Va., reserves the right to reject any and all bids, or to accept the bid which, in its opinion, is for the best interests of the City.

E. A. BECK,

City Manager, Lynchburg, Va.

Bids close September 29, 1925.

Bridge ConstructionSTATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS
Baltimore, Md.

SEALED PROPOSALS for building one bridge as follows.

Montgomery County, Cont. M-66—Battery of six (6) 5 ft. 6 in. diameter corrugated metal pipes encased in concrete, on the road from Sligo to Burnt Mills over Sligo Branch.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of September, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 16th day of September, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close October 5, 1925.

Construction of Fill for Roadway

Beaufort, N. C.

Sealed proposals will be received by the Board of Commissioners for Carteret County at the Court House, Beaufort, N. C., until 2 P. M. October 5, 1925, for the construction of a fill for roadway.

The work will consist of about one hundred and seventy-five thousand (175,000) cubic yards of fill across marsh land and small creeks between Beaufort, N. C., and Morehead City, N. C.

All bids must be upon the blank forms provided in the proposal, specifications and contract.

Each bid must be accompanied by a certified check or bidder's bond in an amount equal to five (5) per cent of the amount of the bid, as evidence of good faith.

Plans and specifications will be on file at the office of the County Auditor, Beaufort, N. C., and the office of the Engineer, Beaufort, N. C. Copies of the specifications, forms of proposal, contract, etc., may be had, upon deposit of five dollars, from W. L. Stancil, Auditor, Beaufort, N. C., or Geo. J. Brooks, Engineer, Beaufort, N. C.

The right is reserved to reject any or all bids.

J. E. WOODLAND, Chairman.
GEO. J. BROOKS, Engineer.

Bids close September 29, 1925.

Highway ConstructionSTATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS
Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows:

Montgomery County, Cont. M-49-D—One section of State highway, surfacing of Silver Spring undergrade approaches, a distance of 0.33 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of September, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 16th day of September, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close September 29, 1925.

Highway ConstructionSTATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS
Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows:

WASHINGTON COUNTY, Contract W-42—One section of State highway along Frederick street, Hagerstown, from the city limits to the B. & O. Railroad crossing, a distance of 0.66 mile. (Pen Macadam.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of September, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 17th day of September, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close October 6, 1925.

Street Paving

Sealed proposals on blank forms furnished by the city and addressed to "Mayor and Council, Lake Alfred, Florida," will be received until 2 P. M. October 6, 1925, at Lake Alfred, Florida, for furnishing all material, equipment and labor for doing the following work:

Approximately 110,000 Square Yards of Street Paving, together with all incidentals thereto.

Each bid shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than FIVE THOUSAND DOLLARS. All checks or bidders' bonds shall be made payable to the City of Lake Alfred, Florida, or W. B. Neely, City Clerk.

Plans and specifications may be seen at the City Hall in Lake Alfred, Florida, or at the offices of the Engineers at Eustis, Fla., and Elberton, Ga.

Full sets of plans and specifications will be furnished by the Engineers upon payment of Twenty-five Dollars, half of which will be refunded upon the return of the plans and specifications, in good condition, within ten days after the award of the contract. Specifications may be obtained from the Engineers upon payment of Two Dollars.

The right is reserved to reject any or all bids.

CITY OF LAKE ALFRED, FLORIDA.

J. D. MILLER, Mayor.

W. B. NEELY, City Clerk.

H. S. JAUDON ENGINEERING CO.,
Engineers, Eustis, Florida;
Leesburg, Florida; Elberton, Georgia.

Bids close October 5, 1925.

Sewer Construction

Clearwater, Fla.

Sealed proposals will be received at the City Hall, Clearwater, Florida, up to 7.30 P. M. October 5th, 1925, for the following:

Approx. 2300 lin. ft. 60" Storm Sewer
" (Alternate) 2300 lin. ft. 48" Storm Sewer
" 1600 lin. ft. 30" Storm Sewer
" 3100 lin. ft. 24" Storm Sewer
" 2000 lin. ft. 18" Storm Sewer
" 15 Manholes, various depths.
" 1 Concrete Headwall.
" 80 Storm Inlets.

Plans and specifications now on file at office of City Engineer and may be obtained upon payment of \$5, which will be refunded to bona fide bidders. Certified check for \$2500 must accompany each bid.

The City reserves the right to vary the above quantities, and to reject any or all bids.

CHAS. F. MASON, City Manager.

Bids close October 16, 1925.

Highway Paving

Wilson, N. C.

The Highway Commission of Wilson County, Wilson, N. C. will receive sealed proposals until one-thirty (1:30) o'clock P. M. Eastern Standard Time, Friday October 16th, 1925, for the following highway work:

Paving 9.15 miles of road 16' wide from State Highway Route No. 91 through Stanantonsburg, N. C., to Ruffin's Bridge, requiring the following approximate quantities:

86,262 sq. yds. concrete, asphalt or other type of pavement.
44,700 cu. yds. common excavation.
1,000 cu. yds. ditch excavation.
1.0 acres clearing.
1.0 acres grubbing.

All pipes, headwalls, culverts and bridges will be built by County forces.

Proposals must be submitted on blank forms furnished by the Commission. Proposals must be addressed to "The Highway Commission of Wilson County," Wilson, N. C., and marked on the outside "Proposal on Stanantonsburg Road."

Each proposal must be accompanied by a certified check for an amount equal to 5% of the amount bid in the proposal, said check to be made payable to T. M. Washington, Chairman.

Copies of road plans and specifications are on file and may be inspected at the office of the Engineer in Wilson, N. C. Interested parties may secure copies of plans and specifications by depositing the sum of \$5 with the Commission, one-half of which deposit will be returned upon return of the plans in good condition as set forth in the specifications.

The Commission reserves the right to reject any or all bids or to accept any bid which it may deem to be to the best interest of the County of Wilson.

T. M. WASHINGTON Chairman.

ERNEST DEANS, Secretary.

H. W. RANKIN, Engineer.

Bids close October 14, 1925.

Water-Works Improvements

Bushnell, Fla.

Sealed proposals addressed to the Mayor and Town Council, Bushnell, Fla., and marked "Sealed Proposal" will be received until 7.00 P. M. October 14, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor, and constructing certain work approximately as follows:

Erected complete on foundations of City of Bushnell, Fla.,

1 75,000-gallon Steel Tank and Tower.
2 500-gallon per minute Pumps—
1 Electrically driven.
1 Gasoline Engine driven.
3,800 lin. ft. 8-inch Cast Iron Pipe.
15,000 lin. ft. 6-inch Cast Iron Pipe.
9 tons Special Castings.
50 Fire Hydrants.
13 8-inch Gate Valves and Boxes.
20 6-inch Gate Valves and Boxes.
1 Pumping Station Building.
Pumping Station Piping.
1 10-inch Wellor
2 8-inch Wells.
Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check, or bid bond issued through a local agency, by a bonding company qualified to do business in the State, made payable to the City of Bushnell for \$2,000, or for 5 per cent of bid on any portion less than the whole.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified. If proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the office of the Clerk and the offices of the Engineers, and specifications may be obtained from the Clerk upon payment of \$2 to cover cost of reproduction.

C. B. ALLEN, Clerk.

E. V. CAMP AND ASSOCIATES, INC.,
Consulting, Supervising and Testing
Engineers, Atlanta, Ga.,
Bartow, Fla., Jacksonville, Fla.

Bids close October 6, 1925.

Water-Works System

Sealed proposals will be received by the Town of Bluff City, Tennessee, at the City Clerk's office for furnishing materials and labor for a water-works system in and for the Town of Bluff City, Tennessee, until 12 o'clock noon October 6, 1925, at which time they will be opened and read publicly. The principal items of the work are approximately as follows:

DISTRIBUTION SYSTEM.

- 2952 ft. 8-in. cast-iron pipe, Class B.
- 4644 ft. 6-in. cast-iron pipe, Class B.
- 5.75 tons cast-iron specials.
- 8050 ft. 1½-in. galvanized pipe.
- 20 fire hydrants.
- 4 8-in. hub end gate valves and boxes
- 7 6-in. hub end gate valves and boxes
- 22 1½-in. screwed valves and boxes.
- Gravity pipe line.
- 5620 ft. 6-in. Class A cast-iron pipe.
- 7625 ft. 6-in. Class B cast-iron pipe.
- 13,625 ft. 6-inch Class C cast-iron pipe.
- 4409 ft. 6-inch Class D cast-iron pipe.
- 1.22 tons cast-iron specials, together with necessary air valves, etc.
- 1 200,000-gallon reinforced concrete re-reservoir.

Alternate bid will be received on 4-in. gravity pipe line and 1 100,000-gallon reinforced concrete reservoir.

Every bid must be accompanied by a certified check on a bank satisfactory to the Town Officials or a bidder's bond satisfactory to the Town Officials for five (5%) per cent of the amount of the bid, drawn to the order of the Town of Bluff City, Tennessee.

All bids will be compared on the basis of the Engineer's estimate of the quantity of work to be done. Copies of specifications may be obtained from Engineers upon receipt of a deposit of five (\$5.00) dollars, which will be returned to bona fide bidders. Plans may be seen at the office of the Engineers or at the office of the City Clerk, or a set will be furnished upon payment of ten (\$10.00) dollars.

The right is reserved to reject any or all bids, and the contract may be awarded in part to one or more bidders as considered to the best interest of the city.

TOWN OF BLUFF CITY, TENNESSEE.
A. J. GEISLER,

Mayor and City Clerk.

J. B. McCARY ENGINEERING CORP.,
Engineers, Atlanta, Ga.

Bids close September 30, 1925.

Sewerage Improvements

High Point, N. C.

Sealed proposals will be received by the Mayor and City Council of the City of High Point, N. C., until 11:30 A. M. September 30, 1925, at the City Hall, for Sewerage Improvements enumerated as follows.

Furnishing and delivering f. o. b. cars High Point, N. C., two (2) motor-driven sewage pumping units, with starting compensators and other accessories.

Furnishing all labor, materials, piping, fittings, valves, etc., for and constructing a reinforced concrete and brick sewage pumping station, including receipt of and installation of pumping equipment.

Proposals must be submitted upon blank forms provided in copies of "Proposal, Contract and Specifications," and each proposal must be enclosed in a sealed envelope addressed to "The Mayor and City Council of the City of High Point, N. C.," and marked "Proposal for Sewerage Improvements."

Each bid must be accompanied by a certified check in the amount of five per cent (5%) of the total amount of the bid (but in no case shall the deposit be for less than \$250) as an evidence of good faith.

Plans, copies of the "Proposal, Contract and Specifications" may be obtained upon application to the Engineer.

The city reserves the right to reject any or all bids or to award contracts which, in the opinion of the Mayor and City Council and the Engineer, appear to be for the best interest of the city.

By order of the City Council this, the 15th day of September, 1925.

H. A. MOFFITT, Mayor.

R. L. PICKETT, City Manager.

WM. C. OLSEN, Engineer,
Raleigh, N. C.

Bids close October 19, 1925.

Library Building

Birmingham Ala.

The Library Board of the City of Birmingham, Alabama, invites bids for the erection of a Library Building, to be erected on lot on Seventh Avenue, North, between Twenty-first Street and East Twentieth Street. Plans and specifications of General Contract may be obtained at Architects' Office on or after September 16th, 1925, on deposit of check for \$25. Plans and specifications of Plumbing, Heating and Ventilating and Electric Wiring may be obtained on or after September 23rd, 1925, on deposit of check for \$10.

Bids to be delivered on or before 2 P. M. October 19th, 1925, addressed to Secretary Library Board, at Old Post Office Building, Birmingham, Alabama. The Board reserves the right to reject any or all bids. Miller & Martin, Architects, Birmingham, Ala.

Bids close September 28, 1925.

City Hall Building

Sealed proposals will be received by the City Commissioners of the City of Leesburg, Florida, at the City Hall, Leesburg, Fla., until 8 P. M. Monday, September 28, 1925, for furnishing all materials and labor necessary for the erection and completion of a City Hall building, in accordance with plans and specifications prepared for same by Alan J. MacDonough, Architect, Leesburg, Florida.

All bids must be accompanied by a certified check in the sum of \$1000, made payable to the City of Leesburg, Florida, to guarantee the execution of a contract and surety bond said bond to be in a sum equal to 50 per cent of the amount of the contract. The City of Leesburg reserves the right to reject any and all bids.

Plans and specifications may be obtained from the Architect upon deposit of \$25, which will be refunded upon the return of the same in good condition and if bona fide bid is submitted.

CITY OF LEESBURG, FLORIDA.
C. B. GAMBLE,

Acting Mayor Commissioner.

Attest:
W. E. HARKNESS, City Clerk.
ALAN J. MacDONOUGH, Architect,
Leesburg, Fla.

Bids close October 14, 1925.

Proposals Wanted by New Orleans.

BOARD OF LEVEE COMMISSIONERS.

Sealed proposals will be received at the office of the Board of Levee Commissioners of the Orleans Levee District, Suite 201, New Court House Building, New Orleans, Louisiana, up to 8 P. M. October 14, 1925, and then publicly opened for furnishing all necessary labor, fuel, supplies and entire equipment necessary for dredging and for building Unit No. 1 of a 36,000,000 cubic yards earth embankment, where and as directed on the Southern shore of Lake Pontchartrain from West End to Seabrook.

Estimated quantities, Unit No. 1.

Embankment measurement in place, approximately 10,000,000 cubic yards.

Retaining levees, approximately 100,000 cubic yards.

A deposit of \$50,000.00 in cash, or certified check will be required with each proposal. No bid bond will be accepted.

A surety bond to the amount of 50% of the cost of the contract will be required with notarial contract.

Plans, specifications and proposal forms are on file in the office of the Board at No. 201 New Court House Building, New Orleans, Louisiana, and will be furnished to prospective bidders upon application.

The right is reserved to reject any and/or all bids and to waive informalities.

Plans will be furnished to prospective bidders upon deposit of \$100.00, which will be refunded when plans are returned.

For further information address

MARCEL GARSAUD,

Chief Engineer.

PETER E. MUNTZ,
Secretary.

PETER J. FLANAGAN,
President.

Bids close October 6, 1925.

Courthouse

LaBelle, Fla.

Sealed proposals will be received by the County Commissioners of Hendry County at their office in LaBelle, Fla., until 12 o'clock noon on the 6th day of October, 1925, when bids will be opened and read, for the construction of the Hendry County \$100,000 Courthouse.

Plans and Specifications will be forwarded upon the application and deposit of \$25 with W. T. Hull, Clerk, LaBelle, Florida.

Bids close October 13, 1925.

Electric Power and Lighting Equipment

Jackson, Tenn.

Sealed proposals will be received by the Commissioners of the City of Jackson, Tenn., at the City Hall up to 10 o'clock A. M. Tuesday, October 13, 1925, and at that time publicly opened and read, for the furnishing of all machinery, material and labor for the purpose of installing the proper equipment for supplying electric current for the Water Works Plant power purposes and for lighting the city streets. Further information can be obtained from the Commissioner of Public Utilities.

Each bid must be accompanied by a certified check for 5% of the amount of the bidder's highest bid made payable, without reserve, to the Treasurer of the City of Jackson, Tenn. The checks of the unsuccessful bidders will be returned promptly upon the award of the contract or contracts.

The successful bidder will be required to furnish a satisfactory Surety Bond equal to 50% of the contract price.

The right is reserved to reject any and all bids.

At the same time, place and under the same conditions bids will be received on Transformers, Street-Fixes, Lamps and other equipment for A C series incandescent street lighting system.

J. G. NEUDORFER,

Commissioner of Public Utilities.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

LIME, KAOLIN AND CLAY LAND—For road and cement manufacturing; near transportation.
SHOCKLEY, LOWELL, FLA.

FOR SALE—Glass sand property, quality suitable for optical glass, quantity sufficient for any purpose; samples, analyses and particulars on request.
FRED C. MAIN, Wytheville, Va.

FOR SALE OR RENT—Water Power, also Barites Mine on property located on French Broad River near Asheville, N. C. Mill or townsite free to any manufacturing plant.
H. W. DYSART,
 Box 666, Asheville, N. C.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

GRAVEL BED WANTED

WANTED TO LEASE or purchase gravel bed located in State of Virginia or North and South Carolina. Reply
743 LAW BUILDING, NORFOLK, VA.

COAL LANDS

FOR LEASE—Upon liberal terms, fifteen hundred acres, steam, gas or by-product coal. Non-union section of West Virginia. Favorable operative conditions. Railroad into property.

O. S. HARE, Bluefield, W. Va.

COAL AND TIMBER LAND

A BARGAIN—960 acres semi-anthracite coal and timber land, Sebastian County, Arkansas, only \$15 an acre. Philip Muller, Jr., San Antonio, Florida.

TIMBER AND CUTOVER LANDS

LANDS AND TIMBER FOR SALE—Several tracts pine, cypress and hardwood timber. Large acreage cut-over lands, with vigorous growth, young long-leaf pine, also Atlantic Coast tide water lands and island property. **J. W. Barnes, Mendel Building, Savannah, Ga.**

TIMBER AND TIMBER LAND

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements.
NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

FOR SALE—42,000,000 feet pine, oak, gum and poplar, located on Seaboard R. R., north Florida.

J. B. HUNT, Bainbridge, Ga.

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida.
H. H. WEFEL, JR., Mobile, Alabama.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FLORIDA PROPERTY.

Acreage. Orange Groves, Farm Lands, Subdivisions and Business Property in the heart of the state that affords exceptional opportunities for investments and developments. Let me act as your broker. I have long been a resident and know the state well, and have never recommended to any purchaser any property that did not enhance in value. References: Munroe & Chambliss National Bank, Chamber of Commerce or any local merchant.
C. C. BENNETT, Simmons Block, Ocala, Fla.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. *When the advertisement contains a number of long words proper allowance should be made.* Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

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SARASOTA, FLORIDA.

Attractive offerings in Acreage Tracts and Lots in Sarasota and Suburbs. For further information address
DEAN-TYLER COMPANY, INC., REALTORS.

FLORIDA—The Land of Flowers; no state income or inheritance taxes ever. **TAMPA**—Florida's Largest City, 1925 States Census. Send today for Booklet and List of Investments, Homes, Groves and Farms. **Tampa-West Coast Realty Co., Inc.,** Opp. Postoffice, "Since before the War," Tampa, Florida.

FLORIDA INVESTMENTS—Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. **ASK ANYBODY. N. D. SUTTLES & COMPANY,** Jacksonville and West Palm Beach, Fla.

WE OFFER EXCLUSIVELY 237 acres Merritt Island acreage—1800 feet beautiful water frontage—perhaps the prettiest block of its size on the Island. Has never been on market before; in hands of owner and can be delivered; priced at \$325 per acre. 1/2 down, balance terms; 5% binder. In Sec. 36, tpws. 21 & 22 Range 36.
S. J. OVERSTREET, Titusville, Fla.

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The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.
 Bradenton, Fla.

GOOD FLORIDA REAL ESTATE INVESTMENTS

are still to be had "on the ground floor." I have splendid opportunities for you, whether you want to invest millions or a few hundreds. Acreage with good soil and well located, with timber, cut over or cultivated, from \$9 an acre up. Chicken ranches from 12 to 19 acres stocked with thoroughbred chickens, house, garage, etc., for \$1000 on easy terms. Business locations, city property, farms, orange groves, or what you will in any part of the state. I have it. Always glad to answer inquiries about Florida. Address: **CLAUDE WRIGHT,** Realtor, 209 Conrad Bldg., West N. Y. Ave., DeLand, Florida.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

TWENTY ACRES AND PLENTY

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.
SYLVESTER E. WILSON,
 Dept. X, Orlando, Fla.

FLORIDA.

If it is Florida we have it. Acreage in every county of Florida. Quick, courteous, dependable service. Trained representatives on call. Investigate, then invest. You can buy as cheap in Boston as in Florida.

FLORIDA SALES COMPANY, INC.,
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PALATKA, FLORIDA. Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates, 3 railroads and St. John's River steamers to New York. Ask for booklet.

GEORGIA

3000-ACRE fruit and cotton farm, 13 miles from Macon, Ga. Will sell at sacrifice or exchange. Write **Ingram Land Company, Birmingham, Ala.**

FOR SALE—1500 acres of South Georgia land, 100 acres under cultivation, two miles of river frontage; \$20.00 per acre if sold in 30 days. Adjoining land selling for \$100 per acre. **C. M. WILLIAMS, Waycross, Ga.**

MISSISSIPPI

MISSISSIPPI GULF COAST.

The Mississippi Gulf Coast is one of the beauty spots of the earth. An ideal climate all the year round; truck farming is carried on throughout the winter months. In addition to that we have a splendid fruit country; we grow oranges, grapefruit, pecans, peaches, pears, figs, etc. It is also one of the healthiest places in the world and is building up rapidly. Write for illustrated booklet.

B. C. COX, Realtor,
 Gulfport, Miss.

NEW YORK

FOR SALE OR EXCHANGE—500-acre grain and stock farm, well fenced, good water. New York State; on good road, near railroad, trolley, school and village. One good house, two tenant houses, large barns, all necessary outbuildings. What have you to offer? **Ellis L. Wright, Box 497, Roanoke, Va.**

NORTH CAROLINA

FARMERS, LOCATE where you can have longest growing season. Largest strawberry market; ideal climate, churches, schools, roads, hunting, fishing, rich lands, developed and undeveloped, low in price; good negro labor, low in wages. One day to Northern markets. Buyers come here; pay market price; cash for everything. Address **FARMER, P. O. Box 35, Chadbourne, N. C.**

FOR SALE—1290 acres level, productive land, 975 in cultivation, 175 of which is bottom land, lying on both sides of large creek, balance in woodland; will cut million feet of lumber; one mile from town population of 9000, 928 feet above sea level (recognized as the best town in the Piedmont section of North Carolina); beautiful location for textile development; electric power available, health excellent, being 20 miles from famous Brushy Mountain range, which forms a protection from cold winter winds and tornadoes and furnishes breeze in hot Summer. On hard-surface road; 13 dwellings, 8 barns, fine orchard.

E. G. GAITHER,
 Statesville, N. C.

FARM, FRUIT AND TRUCK LANDS

TEXAS

LOWER RIO GRANDE VALLEY of Texas. Orange and Grapefruit Lands. Large tracts for development. Well located, with or without irrigation. For prices and terms, WITMER & WINN, Mercedes, Texas.

VIRGINIA

SMALL FARM AND BEAUTIFUL HOME FOR SALE—All city conveniences; land very fertile; 3 miles from beautiful Rappahannock River; 19 miles from Southern Railway; 2-hour run by machine from Richmond. Good roads. Excellent place for poultry farm or ideal summer home. Mrs. Winifred D. Dietz, Owner, Stormont, Va.

BUSINESS OPPORTUNITIES

IRON FOUNDRY AND TRADE for Sale. Established business; own pattern goods to be sold as a going business. Reasonable terms. Owner retiring.
S. V. REEVES, Camden, N. J.

FLORIDA INVESTMENTS — Hotels, apartments, business properties, sites and financing in South Florida cities.
A. I. V. WILSON CORP.,
West Palm Beach, Fla.

LARGE WHOLESALE AND RETAIL COAL, Wood and Building Supply Business in the City of Richmond, Virginia, may be purchased as going concern upon advantageous terms. Address No. 6496, care of Manufacturers Record, Baltimore, Md.

ONE OF OUR CLIENTS, operating a going Smoking Tobacco and Cigarette factory, favorably located as to markets and raw material, requires additional capital to be used in the developing of the business. Investment required \$25,000 or more, which carries with it an active position in the conducting of the business. This will bear the closest investigation. **WALTON ADVERTISING AGENCY, INC.**, Charlotte, N. C.

LOCUST POSTS

WANTED, ORDERS for round locust posts, 3-inch and up, to as large top diameters as wanted, cut in lengths desired.
THOS. F. SMOUSE, Cumberland, Md.

COLLECTION

WE COLLECT NOTES, Accounts, Claims anywhere in world. No charges unless collected. **MAY'S COLLECTION AGENCY**, Somerset, Ky., and Orlando, Fla.

FINANCIAL

FOR SALE—Small block of 8% preferred stock in going corporation. Dividends payable quarterly. Profits for past six months will justify a 25 per cent dividend. Apply Box 305, Crewe, Va.

HIGH-GRADE PREFERRED STOCKS,

6, 7, 8 PER CENT.
In some of North Carolina's strongest corporations. Also State Bonds, Bank Stocks, Mill Stocks. Twenty-seven years' experience in this field.

F. C. ABBOTT & CO.,
201-203 Johnston Building,
Charlotte, N. C.

INDUSTRIES WANTED

NEODESHA, KANSAS—Population 5500, on main lines Missouri Pacific and Frisco Railways. Have inexhaustible supply shale gas, cheap electrical rates, excellent labor supply; wants cement plant, garment factory and other factories. Address
CHAMBER OF COMMERCE.

INDUSTRIAL PLANTS

FOR SALE—A Machine Shop and Foundry, well equipped, in operation, doing a nice business, a bargain.
H. B. RIVES, Tuscaloosa, Ala.

STOVE PLANT FOR SALE. Stove plant located near Chattanooga, Tenn., for sale. Earnings more than 20% per annum on capital investment. For information, write O. L. D., Box 98, Columbia, Tenn.

INDUSTRIAL PLANTS

FOR RENT—Roanoke, Va. Three-story modern brick building, electric elevator, concrete basement and first floor, 15,000 cubic feet floor space. Suitable for wholesale house, garment or other small manufacturing plant. One block from freight station and main business section; shipping facilities in all directions; climate and labor conditions ideal. Address
ALVAH STONE,
734 Shenandoah Building, Roanoke, Va.

FOR SALE—MANUFACTURING PLANT IN JERSEY CITY SUITABLE FOR FOUNDRY, MACHINE SHOP OR GENERAL STEEL MANUFACTURING, ON CENTRAL RAILROAD OF NEW JERSEY. ABOUT 90,000 SQUARE FEET UNDER ROOF, ON APPROXIMATELY FOUR AND ONE-HALF ACRES. MAJORITY BUILDINGS RECENTLY CONSTRUCTED. EXCELLENT TRUCKING AND TRANSPORTATION FACILITIES. FOR DETAILS APPLY THE M. W. KELLOGG COMPANY, JERSEY CITY, N. J.

THE ENTIRE FURNITURE PLANT of Reynolds Mfg. Co. will be sold at public auction upon the premises in Hickory, N. C., at ten o'clock A. M. on October 8th, 1925. The plant consists of lands, buildings, modern machinery in excellent condition, manufactured furniture, stock in process of manufacture, office equipment, etc. Terms: Cash. The creditors' committee reserve the right to reject an inadequate bid.

For further information write to either J. W. Shuford, chairman of committee, or Chas. W. Bagby, attorney, both of Hickory, N. C.

FOR SALE—Concrete Block Foundry 67' x 197½', Machine Shop 47' x 66'. Pattern Shop and Pattern Shed. Two-story Office Building and Drafting Rooms, fully equipped with cupolas, Brass Furnace, Cranes, Drills, Planers, Shapers, wood-working machinery, office furniture and everything necessary and complete to conduct a first-class foundry and machine shop.

Splendid location. Railroad siding. Shipping facilities and freight rates unexcelled. Satisfactory labor conditions.

This property can be purchased for less than one-third its actual value.

BANK OF PHOEBUS, Phoebus, Va.

FACTORY SITES

EXCELLENT FREE location, for either cotton-mill or soil-pipe factory, will be donated by citizens of Pell City, Ala. Write Chamber of Commerce, Pell City, Ala.

FOR SALE—Water power mill site, 40 acres, on Southern Railway between Macon and Atlanta, Georgia. Address J. R. Odum, Box 315, Fort Pierce, Florida.

FOR SALE—200 acres of land and improvements thereon, located near one of the largest cities of Georgia on one of the principal county roads.

City and county tax exemption for new industries for five years.

Hydro-electric power at reasonable rates; 80,000 additional H. P. now being developed.

Labor conditions good.

Three-eighths of a mile railroad frontage.

Large creek running through property.

Inexhaustible supply of sand and gravel for building purposes.

For further particulars, address No. 6482, care Manufacturers Record.

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Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our inspection and instructions, free. Terms reasonable. Highest references. **VICTOR J. EVANS & CO.**, 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandless & Chandless, 412 Seventh St. N. W., Washington, D. C.

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MANUFACTURERS AGENTS

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalamain Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

AGENCIES WANTED

WANTED TO CORRESPOND with Manufacturers and Jobbers who desire representative that reaches the trade in Carolinas and Florida. **J. M. BOYETT**, Albemarle, N. C.

MANUFACTURERS and Wholesalers, Attention—Tulsa, Okla. Responsible company, efficient organization, excellent distribution and marketing facilities, with truckage warehouse; will act as agent, jobber or distributor. Address P. O. Box 655, Tulsa, Okla.

SITUATIONS WANTED

GENERAL SUPERINTENDENT of building construction now open for engagement. Twenty years' experience in charge of erection of hotels, banks, theaters, office and public buildings. Practical man, energetic and systematic. Locate anywhere, Southern states preferred. Minimum salary \$100 per week. Address P. O. Box 329, Sunbury, Pa.

MEN WANTED

MARION MACHINE FOUNDRY & SUPPLY COMPANY, Marion, Indiana, has desirable open territory for high-grade salesmen in the Steam Specialty Department. Give us full particulars in first letter.

LARGE INDUSTRIAL PLANT in Virginia desires recent technical graduate, 1925 class preferred. Excellent opportunity offered young engineer who has ability and is willing to start at bottom. Give complete record of education, experience and qualifications in first letter. Address No. 6500, care of Manufacturers Record, Baltimore, Md.

WANTED—HIGH-GRADE SALESMEN AND SALES AGENTS CAPABLE OF REPRESENTING A NATIONALLY KNOWN QUALITY BRAND OF TECHNICAL PAINT SPECIALTIES. EXCLUSIVELY OR IN CONJUNCTION WITH SOME OTHER LINE. FULL INFORMATION AS TO EXPERIENCE, PRESENT CONNECTIONS AND REFERENCES REQUIRED. ADDRESS No. 6485, CARE OF MANUFACTURERS RECORD, BALTIMORE, MD.

ORNAMENTAL IRON SALES REPRESENTATIVES WANTED. Men with previous experience in this line preferred. Must have acquaintance with Architects and Contractors. Work entirely on commission basis. Modern shop. Correct prices. High-grade workmanship. Several of our agents have built up permanent, profitable business. Explain in detail why you can qualify. Address No. 6499, care of Manufacturers Record, Baltimore, Md.

WANTED: ASSISTANT PLAN SERVICE MAN, not over 35 years of age, with house carpentry experience, with ability to draw plans, detail, estimate and supervise the building of small house jobs. Married man with small family preferred. Good opening to right party. State age, experience, reference, salary wanted in first letter. Address
WILSON & GREENE LUMBER CO.,
Syracuse, N. Y.

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. **R. W. Bixby, Inc.**, 403 Lockwood Building, Buffalo, N. Y.



SPECIAL ADVERTISEMENTS OF GENERAL INTEREST



MILL BUILDING AND GROUNDS FOR SALE MOBILE, ALABAMA

Building Formerly Occupied by Nassau Mills. Situated on trunk line railroad and the concrete highway connecting the city of Mobile and the village of Pritchard.

DESCRIPTION OF PROPERTY: 1—One Story Brick Building, Modern Mill Construction, 162'6"x60'. 1—One Story Brick Building, Modern Mill Construction, 91'0"x43'. 1—One Story Brick Building (Boiler House), 23'0"x28'. 1—One Story Iron (Warehouse). Total area—14,435 square feet. Buildings wired for power and light. Heating equipment, including boiler. No mill machinery. Artesian well and 40,000 gallon steel tank. Located on plot of ground 450 feet on paved road, 480 feet on Mobile & Ohio Railroad and running back in triangle 340 feet. In Industrial Village of Pritchard, just outside Mobile city limits.



OUTSTANDING ADVANTAGES
Near Alabama's State Docks now under construction at a cost of \$10,000,000, where rail, inland waterway and ocean carriers will unite for interchange of freight.

Track connection with Mobile & Ohio Railroad.

Abundance of intelligent white labor. Good health conditions excellent as shown by State and Municipal health reports.

Churches, Highways, and Social Conditions reduce labor turnover to a minimum. Freedom from strikes and other disturbances.

**No Inheritance
and**

No Income Tax

—in ALABAMA!

ALABAMA IS ONE OF TWO STATES WHICH HAS NEITHER INCOME NOR INHERITANCE TAX.

ALABAMA IS THE ONLY STATE OF INDUSTRIAL VANTAGE WHICH OFFERS THIS INDUCEMENT TO NEW CAPITAL.

Maximum tax rates which state and counties may levy under state constitutional authority are:—

State tax (maximum)	\$0.65 on \$100
County tax (maximum)	0.50 on 100

Special school tax not to exceed .10 on \$100; counties may levy .30 on \$100 additional for school purposes and special school districts may levy .30 additional for school purposes.

Valuation for Ad Valorem Taxing Purposes is 60%.

Counties and Municipalities are authorized by the Alabama code (1907—Sec. 2062) to extend for a period of Five Years—

TAX EXEMPTIONS TO TEXTILE MILLS

Lower Taxes mean less overhead. Alabama's Per Capita Tax rate of \$12.82 is the lowest of ANY State.

GULF COAST INVESTMENT COMPANY, INC., MOBILE, ALA.

GUIN, ALABAMA

The Logical Location for Cotton Factories
or Other Manufacturing Industries.

Located on main line of Frisco Railroad at intersection of Bankhead and Jackson National Highways. Hydro-power, native labor, raw materials, low building costs, mild climate, good water, efficient schools, low tax rates.

Correspondence and investigation solicited.

Address: Guin Commercial Club

Ideal Manufacturing Site

on S. A. L. Ry. and hard surface highway in Gaston Co., North Carolina, twenty miles west of Charlotte.

Ideal Labor Conditions.

Close to Southern Power lines.

Side track, deep well and other improvements on property. Will make attractive offer.

If interested communicate with

M. L. MAUNEY

Cherryville, N. C.



New Time Clocks

(Made by International Time Recording Co.)

PRICED for IMMEDIATE SALE
Original Cost \$292. Our Price \$125 Each

Only as a result of a recent fortunate purchase of these high grade time clocks, are we able to make this unusual offer.

These clocks are of the two color (red and blue) fully automatic type, equipped with one pair of racks (in and out) holding 200 cards.

Every clock brand new and guaranteed in perfect condition. Our price of \$125.00 each, f. o. b. New York, is an exceptional bargain. Out of town shipments require an additional charge of \$10 for crating. Check must accompany all orders.

**SEVERAL THOUSAND NEW STEEL
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NEW YORK MACHINERY CO.

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200 Fifth Ave., New York City Address replies Dept. MR.

OPPORTUNITY

Have you a used engine, air compressor, rails or equipment of any kind you are not using? Here is your opportunity to turn them into cash. Use our Resale Department for good results.

Manufacturers Record

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What makes a double play?



GOOD FIELDING by the short stop is not enough. Second base must be covered, and so must first. Double plays are team plays and every man must play his part.

Oxy-acetylene welding requires double plays, too.

A good weld does not make oxy-acetylene welding an economical part of your business. The weld must be good, it is true; but in addition, the work must be handled rapidly and economically if the oxy-acetylene process is to become an integral part of your production.

In every Linde division office there is a Service Engineer. He is the "field captain" of the Linde Process Service in that division, and he "assists" the Service Operators and Service Supervisors to make oxywelding a part of your "team." He may suggest a better way to deliver work to your welders. He may design a new jig. He may even lay out a central welding department. But he can also demonstrate the desirability of welding and prove the strength of your welds to buyers of your products and to technical committees.

Service Engineers are a part of Linde Process Service and their help is free to Linde customers for the asking.

A double play in the welding pipe

A forty-mile pipe line had to be laid in a country where the temperature ranged from 30 below to 90 above zero. The engineers came to the reluctant conclusion that a welded line would not permit enough expansion. The Service Engineer calculated the expansion for them and convinced them that a special joint every two hundred feet would be adequate. In addition, he showed them how to "leap frog" their welding gangs from either end of the line, using only one gang to line up the pipe for each two gangs of welders. And so the company has a better and cheaper and more permanent line than they could have had without service.

THE LINDE AIR PRODUCTS CO.

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New York, N. Y.

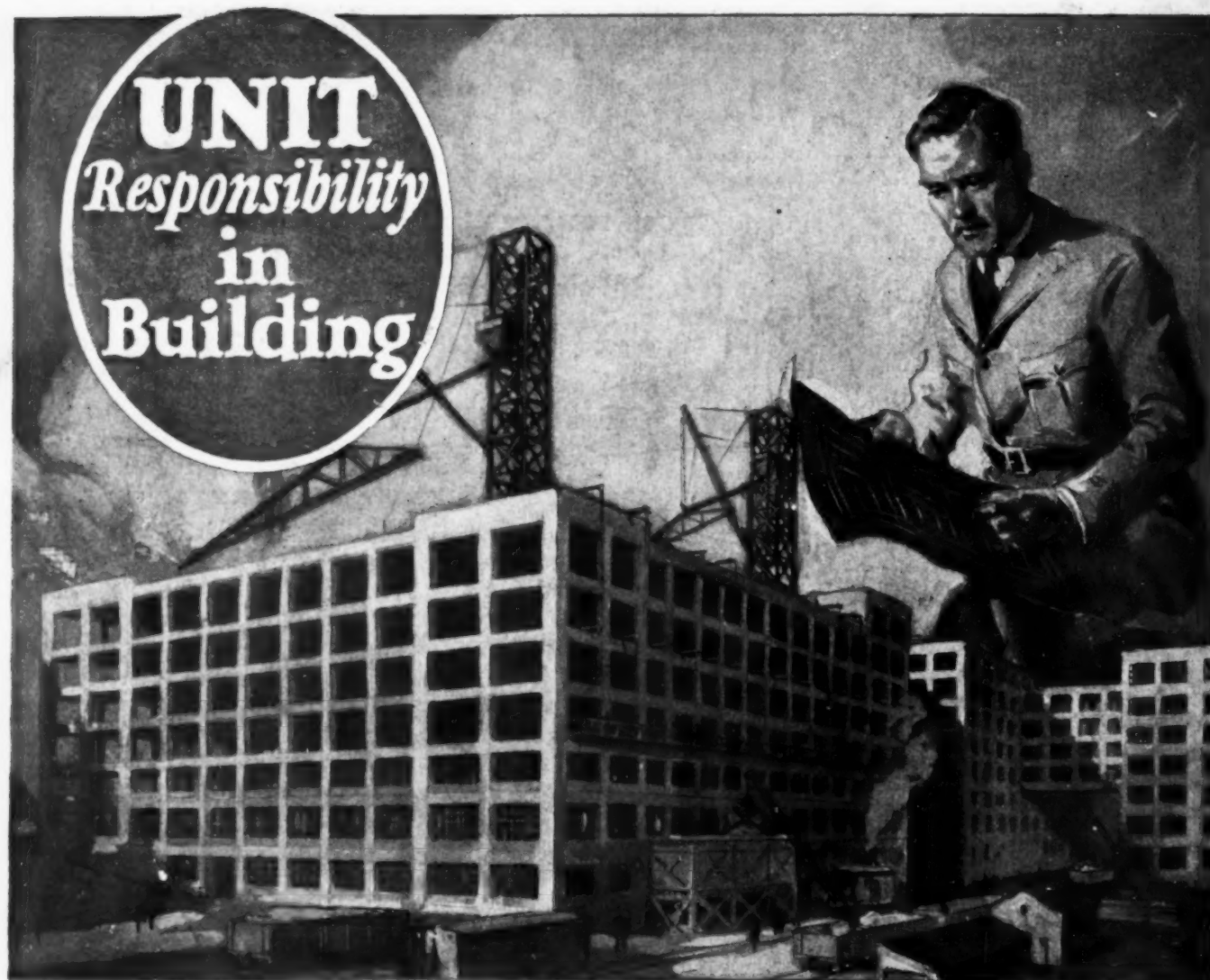
37 Plants

22 District Sales Offices

91 Warehouses

LINDE OXYGEN

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ACRES OF FLOOR SPACE!

ARE YOU the Executive responsible for building a plant like this for your Institution?

Then these advantages are yours, when Austin builds for you:

First-class design and construction, with quality of materials and workmanship guaranteed;

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Thorough satisfaction; buildings will be a permanent asset to your Company.

Under the Austin Method of Unit Responsibility, Austin will build your whole project, covering acres of floor space; or will construct a single building.

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Austin has built successfully for Industry for over Fifty Years. Austin stands today pre-eminent in Experience, in Performance, in Organization, and in Financial Stability.

Your big, new program of plant expansion may be just now taking form. Austin will gladly help you get it organized soundly. You may have much to gain by careful analysis, while the project is still in the embryo stage. Call Austin — no obligation of course.

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